FORM 1 GENERAL

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

S/F		T/A	C/D
F	110000341489		D
1	2 — 13	14	15

LABEL ITEMS

- I. EPA I.D. NUMBER
- II. FACILITY NAME
- III. FACILITY MAILING ADDRESS
- IV. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI(except VI-B which must be completed regardless). Complete all items if no label has been proved. Refer to the instructions for detailed item descriptions and for the legal authorization under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental from listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms.**

SPECIFIC QUESTIONS	MARK "X" YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK "X" YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge to waters of the U.S.?** (FORM 2A)	☐ 16	☒ 17	☐ 18	B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation or aquatic animal production facility** which results in a **discharge to waters of the U.S.?** (FORM 2B)	☐ 19	☒ 20	☐ 21
C. Is this facility which currently results in **discharges to waters of the U.S.** other than those described in A or B above? (FORM 2C)	☒ 22	☐ 23	☒ 24	D. Is this proposal facility *(other than those described in A or B above)* which will result in a **discharge to waters of the U.S.?** (FORM 2D)	☐ 25	☒ 26	☐ 27
E. Does or will this facility treat, store, or dispose of **hazardous wastes?** (FORM 3)	☐ 28	☒ 29	☐ 30	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)	☐ 31	☒ 32	☐ 33
G. Do you or will you inject at this facility any produced water other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)	☐ 34	☒ 35	☐ 36	H. Do you or will you inject at this facility fluids for special processes such as mining of sulfer by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)	☐ 37	☒ 38	☐ 39
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area?** (FORM 5)	☐ 40	☒ 41	☐ 42	J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area?** (FORM 5)	☐ 43	☒ 44	☐ 45

III. NAME OF FACILITY

C	SKIP	
1		Gordonsville Power Station
15	16-29	30 — 69

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*		B. PHONE *(area code & no.)*		
C 2	Cathy C Taylor	804	273	2929
15	16 — 45	46 48	49 51	52 55

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX			
C 3	5000 Dominion Boulevard		
15	16 — 45		
B. CITY OR TOWN	**C. STATE**	**D. ZIP CODE**	
C 4	Glen Allen	VA	23060
15	16 — 40	41 42	47 51

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER				
C 5	819 Hill Road			
15	16 — 45			
B. COUNTY NAME				
Louisa County				
46 — 70				
C. CITY OR TOWN	**D. STATE**	**E. ZIP CODE**	**F. COUNTY CODE**	
C 6	Gordonsville	VA	22942	
15	16 — 40	41 42	47 51	52 54

CONTINUED ON REVERSE

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)

A. FIRST		B. SECOND	
4911	(specify) Electric Services	--	(specify) --

C. THIRD		D. FOURTH	
--	(specify) --	--	(specify) --

VIII. OPERATOR INFORMATION

A. NAME	B. Is the name listed in Item VIII-A also the owner?
Virginia Electric & Power Company.	☒ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other," specify.)
F = FEDERAL; S = STATE; P = PRIVATE; M = PUBLIC (other than federal or state); O = OTHER (specify)

		D. PHONE (area code & no.)		
P	(specify) --	804	273	2929

E. STREET OR PO BOX	F. CITY OR TOWN	G. STATE	H. ZIP CODE
5000 Dominion Boulevard	Glen Allen	VA	23060

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	VA00087033	D. PSD (Air Emissions from Proposed Sources)	--
B. UIC (Underground Injection of Fluids)	--	E. OTHER (specify)	91-1631 (Specify) VWP Permit (Water Withdrawal from Quarry)
C. RCRA (Hazardous Wastes)	VA0000125211	E. OTHER (specify)	40808 (Specify) VDEQ Title V Permit

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

The Gordonsville Power station is a natural gas and oil fired combined cycle power staion located approximately 1.5 miles southwest of the town of Gordonsville, Virginia. The station is owned and operated by Virginia Electric and Power Company. Days and hours of operation of the Gordonsville Power Station are dependent on power demand.

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
C. D. Holley, VP Fossil & Hydro System Operations	C D Holley	01/07/2013

COMMENTS FOR OFFICIAL USE ONLY

EPA FORM 3510-1 (8-90)

AUTHORIZATION FOR PUBLIC NOTICE BILLING

TO

VPDES PERMIT APPLICANT

I hereby authorize the Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in a newspaper in general circulation in the project area.

Authorizing Agent: Cathy C Taylor
Signature

Applicant's Address: Cathy C. Taylor
Dominion
5000 Dominion Blvd.
Glen Allen, VA 23060

Telephone Number: (804) 273-2929

Permit No. VA0087033—Gordonsville Power Station
Attn: Susan Mackert

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com

Dominion®

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

August 2, 2012

Mrs. Susan D. Mackert
Environmental Specialist II
DEQ – Northern Regional Office
13901 Crown Court
Woodbridge, VA 22193

RE: Dominion – Gordonsville Power Station, Gordonsville, Virginia; Outfall 001 Water Quality Criteria Monitoring: VPDES Permit No. VA 0087033

Dear Mrs. Mackert:

This letter is provided in accordance with Gordonsville Power Station VPDES permit VA0087033 Part I, E.3. *Water Quality Criteria Monitoring* requirement. As stated in the permit, the monitoring results are provided in the attached Attachment A form. The VPDES permit reissuance application was submitted under separate cover dated July 10, 2012. The data provided in the Attachment A form for Outfall 001 and associated laboratory reports were also included in form 2C and Attachment C, respectively, of the permit reissuance application. If you have any questions and/or comments regarding this information please contact Rick Woolard, of Dominion Electric Environmental Services, at (804) 273-2991.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Cathy C. Taylor
Director Electric Environmental Services
Attachment

cc: w/attachments
Rebecca Johnson
Northern Regional Office
13901 Crown Court,
Woodbridge, VA 22193

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY MONITORING
ATTACHMENT A, PAGE 1 of 6

FACILITY NAME: Dominion - Gordonsville
ADDRESS: 115 Red Hill Road, Gordonsville, VA

VPDES PERMIT NO. VA0087033
OUTFALL NO. 001

DEQ Parameter No.	CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (µg/L)	Reporting Results [1] (µg/L)	Sample Type[2]	Sample Frequency[3]	Specific Target Value[4] (µg/L)
METALS								
-	7440-36-0	Antimony (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
438	7440-38-2	Arsenic (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
-		Arsenic III (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
440	7440-43-9	Cadmium (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
441	16065-83-1	Chromium III (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
231	18540-29-9	Chromium VI (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
442	7440-50-8	Copper (Dissolved)	[5]	[5]	4	G	1/5 YR	N/A
405	7439-92-1	Lead (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
444	7439-97-6	Mercury (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
445	7440-02-0	Nickel (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
446	7782-49-2	Selenium (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
447	7440-22-4	Silver (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
	7440-28-0	Thallium (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
448	7440-66-6	Zinc (Dissolved)	[5]	[5]	<[QL]	G	1/5 YR	N/A
332	309-00-2	Aldrin	608	0.05	<[QL]	G or C	1/5 YR	N/A
333	57-74-9	Chlordane	608	0.2	<[QL]	G or C	1/5 YR	N/A
334	2921-88-2	Chlorpyrifos (Dursban)	622	[7]	<[QL]	G or C	1/5 YR	N/A
-	72-54-8	DDD	608	0.1	<[QL]	G or C	1/5 YR	N/A
-	72-55-9	DDE	608	0.1	<[QL]	G or C	1/5 YR	N/A
335	50-29-3	DDT	608	0.1	<[QL]	G or C	1/5 YR	N/A
336	8065-48-3	Demeton	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
337	60-57-1	Dieldrin	608	0.1	<[QL]	G or C	1/5 YR	N/A
-	959-98-8	Alpha-Endosulfan	608	0.1	<[QL]	G or C	1/5 YR	N/A
	33213-65-9	Beta-Endosulfan	608	0.1	<[QL]	G or C	1/5 YR	N/A
	1031-07-8	Endosulfan Sulfate	608	0.1	<[QL]	G or C	1/5 YR	N/A
339	72-20-8	Endrin	608	0.1	<[QL]	G or C	1/5 YR	N/A
	7421-93-4	Endrin Aldehyde	608	0.1	<[QL]	G or C	1/5 YR	N/A
340	86-50-0	Guthion	622	[7]	<[QL]	G or C	1/5 YR	N/A
341	76-44-8	Heptachlor	608	0.05	<[QL]	G or C	1/5 YR	N/A
	1024-57-3	Heptachlor Epoxide	608	0.05	<[QL]	G or C	1/5 YR	N/A
342	58-89-9	Hexachlorocyclohexane (Lindane)	608	0.05	<[QL]	G or C	1/5 YR	N/A
	319-84-6	Hexachlorocyclohexane/Alpha	608	0.05	<[QL]	G or C	1/5 YR	N/A

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY MONITORING
ATTACHMENT A, PAGE 2 of 6

FACILITY NAME: Dominion - Gordonsville
ADDRESS: 115 Red Hill Road, Gordonsville, VA

VPDES PERMIT NO. VA0087033
OUTFALL NO. 001

DEQ Parameter No.	CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (µg/L)	Reporting Results [1] (µg/L)	Sample Type[2]	Sample Frequency[3]	Specific Target Value[4] (µg/L)
		-BHC						
	319-85-7	Hexachlorocyclohexane/Beta-BHC	608	0.05	<[QL]	G or C	1/5 YR	N/A
-	143-50-0	Kepone	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
343	121-75-5	Malathion	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
344	72-43-5	Methoxychlor	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
345	2385-85-5	Mirex	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
346	56-38-2	Parathion	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
641	53469-21-9	PCB-1242	608	1.0	<[QL]	G or C	1/5 YR	N/A
642	11097-69-1	PCB-1254	608	1.0	<[QL]	G or C	1/5 YR	N/A
643	11104-28-2	PCB-1221	608	1.0	<[QL]	G or C	1/5 YR	N/A
644	11141-16-5	PCB-1232	608	1.0	<[QL]	G or C	1/5 YR	N/A
645	12672-29-6	PCB-1248	608	1.0	<[QL]	G or C	1/5 YR	N/A
618	11096-82-5	PCB-1260	608	1.0	<[QL]	G or C	1/5 YR	N/A
646	12674-11-2	PCB-1016	608	1.0	<[QL]	G or C	1/5 YR	N/A
	1336-36-3	PCB Total	608	1.0	<[QL]	G or C	1/5 YR	N/A
349	8001-35-2	Toxaphene	608	5.0	<[QL]	G or C	1/5 YR	N/A
		BASE NEUTRAL EXTRACTABLES						
-	83-32-9	Acenaphthene	625	10.0	<[QL]	G or C	1/5 YR	N/A
275	120-12-7	Anthracene	625	10.0	<[QL]	G or C	1/5 YR	N/A
	92-87-5	Benzidine	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
276	56-55-3	Benzo(a) anthracene	625	10.0	<[QL]	G or C	1/5 YR	N/A
648	205-99-2	Benzo(b) fluoranthene	625	10.0	<[QL]	G or C	1/5 YR	N/A
278	207-08-9	Benzo(k) fluoranthene	625	10.0	<[QL]	G or C	1/5 YR	N/A
277	50-32-8	Benzo(a)pyrene	625	10.0	<[QL]	G or C	1/5 YR	N/A
	111-44-4	Bis(2-chloroethyl) ether	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
	39638-32-9	Bis(2-chloroisopropyl) ether	625	10.0	<[QL]	G or C	1/5 YR	N/A
-	85-68-7	Butyl benzyl phthalate	625	10.0	<[QL]	G or C	1/5 YR	N/A
	91-58-7	2-Chloronaphthalene	625	20.0	<[QL]	G or C	1/5 YR	N/A
282	218-01-9	Chrysene	625	10.0	<[QL]	G or C	1/5 YR	N/A
654	53-70-3	Dibenz(a,h) anthracene	625	20.0	<[QL]	G or C	1/5 YR	N/A
-	84-74-2	Dibutyl phthalate (Di-n-Butyl Phthalate)	625	10.0	<[QL]	G or C	1/5 YR	N/A
259	95-50-1	1,2-Dichlorobenzene	625	10.0	<[QL]	G or C	1/5 YR	N/A
264	541-73-1	1,3-Dichlorobenzene	625	10.0	<[QL]	G or C	1/5 YR	N/A

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY MONITORING
ATTACHMENT A, PAGE 3 of 6

FACILITY NAME: Dominion - Gordonsville
ADDRESS: 115 Red Hill Road, Gordonsville, VA

VPDES PERMIT NO. VA0087033
OUTFALL NO. 001

DEQ Parameter No.	CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (µg/L)	Reporting Results [1] (µg/L)	Sample Type[2]	Sample Frequency[3]	Specific Target Value[4] (µg/L)
266	106-46-7	1,4-Dichlorobenzene	625	10.0	<[QL]	G or C	1/5 YR	N/A
	91-94-1	3,3 Dichlorobenzidene	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
-	84-66-2	Diethyl phthalate	625	10.0	<[QL]	G or C	1/5 YR	N/A
170	117-81-7	Di-2-Ethylhexyl Phthalate	625	10.0	<[QL]	G or C	1/5 YR	N/A
	131-11-3	Dimethyl Phthalate	625	20.0	<[QL]	G or C	1/5 YR	N/A
239	121-14-2	2,4-Dinitrotoluene	625	10.0	<[QL]	G or C	1/5 YR	N/A
287	206-44-0	Fluoranthene	625	10.0	<[QL]	G or C	1/5 YR	N/A
288	86-73-7	Fluorene	625	10.0	<[QL]	G or C	1/5 YR	N/A
	118-74-1	Hexachlorobenzene	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
	87-68-3	Hexachlorobutadiene	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
	77-47-4	Hexachlorocyclopentadiene	625	10.0	<[QL]	G or C	1/5 YR	N/A
	67-72-1	Hexachloroethane	625	10.0	<[QL]	G or C	1/5 YR	N/A
651	193-39-5	Indeno(1,2,3-cd) pyrene	625	20.0	<[QL]	G or C	1/5 YR	N/A
650	78-59-1	Isophorone	625	10.0	<[QL]	G or C	1/5 YR	N/A
293	91-20-3	Naphthalene	625	10.0	<[QL]	G or C	1/5 YR	N/A
-	98-95-3	Nitrobenzene	625	10.0	<[QL]	G or C	1/5 YR	N/A
	62-75-9	N-Nitrosodimethylamine	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
	86-30-6	N-Nitrosodiphenylamine	625	10.0	<[QL]	G or C	1/5 YR	N/A
	621-64-7	N-Nitrosodi-n-propylamine	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
296	129-00-0	Pyrene	625	10.0	<[QL]	G or C	1/5 YR	N/A
-	120-82-1	1,2,4 Trichlorobenzene	625	10.0	<[QL]	G or C	1/5 YR	N/A
		VOLATILES						
	107-02-8	Acrolein	624	10.0	<[QL]	G	1/5YR	N/A
	107-13-1	Acrylonitrile	[6]	[7]	<[QL]	G	1/5YR	N/A
216	71-43-2	Benzene	624	10.0	<[QL]	G	1/5 YR	N/A
484	75-25-2	Bromoform	624	10.0	<[QL]	G	1/5 YR	N/A
236	56-23-5	Carbon Tetrachloride	624	10.0	<[QL]	G	1/5 YR	N/A
653	108-90-7	Chlorobenzene (Monochlorobenzene)	624	50.0	<[QL]	G	1/5 YR	N/A
652	124-48-1	Chlorodibromomethane	624	10.0	<[QL]	G	1/5 YR	N/A
223	67-66-3	Chloroform	624	10.0	<[QL]	G	1/5 YR	N/A
649	75-09-2	Dichloromethane	624	20.0	<[QL]	G	1/5 YR	N/A
244	75-27-4	Dichlorobromomethane	624	20.0	<[QL]	G	1/5 YR	N/A
260	107-06-2	1,2-Dichloroethane	624	10.0	<[QL]	G	1/5 YR	N/A
-	75-35-4	1,1-Dichloroethylene	624	10.0	<[QL]	G	1/5 YR	N/A

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY MONITORING
ATTACHMENT A, PAGE 4 of 6

FACILITY NAME: Dominion - Gordonsville
ADDRESS: 115 Red Hill Road, Gordonsville, VA

VPDES PERMIT NO. VA0087033
OUTFALL NO. 001

DEQ Parameter No.	CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (µg/L)	Reporting Results [1] (µg/L)	Sample Type[2]	Sample Frequency[3]	Specific Target Value[4] (µg/L)
	156-60-5	1,2-trans-Dichloroethylene	624	10.0	<[QL]	G	1/5 YR	N/A
	78-87-5	1,2-Dichloropropane	[6]	[7]	<[QL]	G	1/5 YR	N/A
	542-75-6	1,3-Dichloropropene	[6]	[7]	<[QL]	G	1/5 YR	N/A
172	100-41-4	Ethylbenzene	624	10.0	<[QL]	G	1/5 YR	N/A
	74-83-9	Methyl Bromide	624	10.0	<[QL]	G	1/5 YR	N/A
	79-34-5	1,1,2,2,-Tetrachloroethane	[6]	[7]	<[QL]	G	1/5 YR	N/A
220	127-18-4	Tetrachloroethylene	624	10.0	<[QL]	G	1/5 YR	N/A
222	10-88-3	Toluene	624	10.0	<[QL]	G	1/5 YR	N/A
	79-00-5	1,1,2-Trichloroethane	[6]	[7]	<[QL]	G	1/5 YR	N/A
155	79-01-6	Trichloroethylene	624	10.0	<[QL]	G	1/5 YR	N/A
173	75-01-4	Vinyl Chloride	624	10.0	<[QL]	G	1/5 YR	N/A
ACID EXTRACTABLES								
-	95-57-8	2-Chlorophenol	625	10.0	<[QL]	G or C	1/5 YR	N/A
-	120-83-2	2,4 Dichlorophenol	625	10.0	<[QL]	G or C	1/5 YR	N/A
-	105-67-9	2,4 Dimethylphenol	625	10.0	<[QL]	G or C	1/5 YR	N/A
	51-28-5	2,4 Dinitrophenol	625	10.0	<[QL]	G or C	1/5 YR	N/A
	534-52-1	2-Methyl-4,6-Dinitrophenol	625	10.0	<[QL]	G or C	1/5 YR	N/A
210	87-86-5	Pentachlorophenol	625	50.0	<[QL]	G or C	1/5 YR	N/A
175	108-95-2	Phenol[8]	625	10.0	<[QL]	G or C	1/5 YR	N/A
602	88-06-2	2,4,6-Trichlorophenol	625	10.0	<[QL]	G or C	1/5 YR	N/A
RADIONUCLIDES								
		Gross Alpha Particle Activity	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
		Beta Particle &Photon Activity	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
		Strontium 90	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
		Tritium	[6]	[7]	<[QL]	G or C	1/5 YR	N/A
MISCELLANEOUS								
039		Ammonia as NH_3-N	350.1	200	10	G	1/5 YR	N/A
-	16887-00-6	Chlorides (mg/L)	[6]	[7]	9.78 mg/L	G	1/5 YR	N/A
005	7782-50-5	Chlorine, Total Residual	[6]	100	<[QL]	G	1/5 YR	N/A
018	57-12-5	Cyanide	335.2	10.0	<[QL]	G	1/5 YR	N/A
	122-66-7	1,2-Diphenylhydrazine	[6]	0.1	<[QL]	G	1/5 YR	N/A
-		*E. coli* (N/CML)	[6]	[7]	<[QL]	G	1/5 YR	N/A
137		Hardness (as mg/L $CaCO_3$)	[6]	[7]	17.10 mg/L	G	1/5 YR	N/A

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY MONITORING
ATTACHMENT A, PAGE 5 of 6

FACILITY NAME: Dominion - Gordonsville
ADDRESS: 115 Red Hill Road, Gordonsville, VA

VPDES PERMIT NO. VA0087033
OUTFALL NO. 001

DEQ Parameter No.	CAS Number	Parameter	EPA Analysis No.	Quantification Level[1] (µg/L)	Reporting Results [1] (µg/L)	Sample Type[2]	Sample Frequency[3]	Specific Target Value[4] (µg/L)
-	7783-06-4	Hydrogen Sulfide	[6]	[7]	<[QL]	G	1/5 YR	N/A
350	60-10-5	Tributyltin[9]	NBSR 85-3295	[7]	<[QL]	G	1/5 YR	N/A
252		Xylenes (total)	SW 846 Method 8021B	[7]	<[QL]	G	1/5 YR	N/A

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. See 18 U.S.C. §1001 and 33 U.S.C. §1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

Cathy C. Taylor
Name of Principal Executive Officer or Authorized Agent

Director Electric Environmental Services
Title

Cathy C Taylor
Signature of Principal Executive Officer or Authorized Agent

Aug 2, 2012
Date

Footnotes to Water Quality Monitoring Attachment A

(1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.

Units for the quantification level and the specific target value are micrograms/liter (Φg/L) unless otherwise specified.

Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained. Data reported by the lab as less than the test method QL shall be reported as "<[QL]" on the Attachment A form, where the actual test method QL shall be substituted for "[QL]".

(2) Sample Type

G = Grab = An individual sample collected in less than fifteen (15) minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and report the average results provided that the individual grab results are also reported.

C = Composite = A 24-hour composite unless otherwise specified. The composite shall be a combination of individual samples, taken proportional to flow, obtained at hourly or smaller time intervals. The individual samples may be of equal volume for flows that do not vary by +/- 10 percent over a 24-hour period. For composite metals samples, the individual sample aliquots shall be filtered and preserved immediately upon collection and prior to compositing.

(3) Frequency

1/5 YR = once after the start of the third year from the permit's effective date but 180 days prior to permit expiration.
X = no monitoring required

(4) Specific Target Value is the approximate value that may initiate a wasteload allocation analysis. Target values are not wasteload allocations or effluent limitations. The specific target values are subject to change based on additional information such as hardness data, receiving stream flow and design flows.

(5) A specific analytical method is not specified. An appropriate method shall be selected from the following list of EPA methods (or any approved method presented in 40 CFR Part 136) which will achieve a quantification level that is less than the indicated specific target value for each metal. If the test result is less than the specified specific target value, a "<[QL]" shall be reported where the actual analytical test QL is substituted for [QL].

Metal	Analytical Methods
Antimony	1639; 1638; 200.8
Arsenic**	1632
Cadmium	1638; 1639; 1637; 1640
Chromium*	1639; 200.8
Chromium VI	1636
Copper	1638; 1640
Lead	1638; 1637; 1640
Mercury	1631
Nickel	1639; 1638; 1640
Selenium	1638; 1639
Silver	1638
Zinc	1638; 1639

* Chromium III is measured by the total chromium analysis. If the result of the total chromium analysis is less than or equal to the QL (or specific target value), the result for chromium III can be reported as less than QL.

** Arsenic III is measured by the total arsenic analysis. If the result for the total arsenic analysis is less than or equal to the QL (or specific target value), the result for arsenic III can be reported as less than QL.

(6) Any approved method presented in 40 CFR Part 136.

(7) The QL is at the discretion of the permittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.

(8) Requires continuous extraction.

(9) DEQ's approved analysis for TBT may also be used. (See A Manual for the Analysis of Butyltins in Environmental Systems by the Virginia Institute of Marine Science dated November 1996.)

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com

Dominion®

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 10, 2012

Ms. Susan Mackert
Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, VA 22193

RE: Dominion Gordonsville Power Station
Application for Reissuance of VPDES Permit No. VA0087033

Dear Ms. Mackert,

I am pleased to submit one original and a compact diskette of our application for renewal of VPDES Permit No. VA0087033 for the Gordonsville Power Station. The enclosed documents include completed application forms, maps, addendum, permit billing information, and public notice authorization.

This application was prepared based on current state requirements. This application for reissuance is being filed prior to the deadline of August 3, 2012.

Should you have any questions and/or require additional information, please contact Jason Ericson at (804) 273-3485 or via email at jason.p.ericson@dom.com.

Sincerely,

Cathy C. Taylor
Director Electric Environmental Services

Enclosures

Entered CEDS
7-17-12
SM

Dominion Gordonsville Power Station
VPDES Permit No. VA0087033
Permit Reissuance Application

1. EPA Form 3510-1
2. EPA Form 2C
3. EPA Form 2F
4. VPDES Application Addendum
5. Dominion Form 1, Form 2C and Form 2F Addendum
6. Public Notice Authorization
7. Permit Billing Information

Attachments

A. Site Vicinity Map, Facility Site Plan, Site Drainage Map
B. Water Flow Diagram
C. Effluent Sampling Documents
D. Stormwater Pollution Prevention Plan

EPA Form 1

FORM 1 GENERAL

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

S		T/A	C
F	110000341489		D

1 2 13 14 15

LABEL ITEMS

- **I. EPA I.D. NUMBER**
- **II. FACILITY NAME**
- **III. FACILITY MAILING ADDRESS**
- **IV. FACILITY LOCATION**

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI(except VI-B which must be completed regardless). Complete all items if no label has been proved. Refer to the instructions for detailed item descriptions and for the legal authorization under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental from listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms**.

SPECIFIC QUESTIONS	MARK "X" YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK "X" YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.?** (FORM 2A)	☐ 16	☒ 17	☐ 18	B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.?** (FORM 2B)	☐ 19	☒ 20	☐ 21
C. Is this facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)	☒ 22	☐ 23	☒ 24	D. Is this proposal facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.?** (FORM 2D)	☐ 25	☒ 26	☐ 27
E. Does or will this facility treat, store, or dispose of **hazardous wastes?** (FORM 3)	☐ 28	☒ 29	☐ 30	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)	☐ 31	☒ 32	☐ 33
G. Do you or will you inject at this facility any produced water other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)	☐ 34	☒ 35	☐ 36	H. Do you or will you inject at this facility fluids for special processes such as mining of sulfer by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)	☐ 37	☒ 38	☐ 39
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area?** (FORM 5)	☐ 40	☒ 41	☐ 42	J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment are?** (FORM 5)	☐ 43	☒ 44	☐ 45

III. NAME OF FACILITY

C 1 | SKIP | Gordonsville Power Station

15 | 16-29 | 30 ... 69

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*		
C 2 Cathy C Taylor	804	273	2929
15 16 ... 45	46 48	49 51	52 55

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

C 3 5000 Dominion Boulevard

15 16 ... 45

B. CITY OR TOWN	C. STATE	D. ZIP CODE
C 4 Glen Allen	VA	23060
15 16 ... 40	41 42	47 51

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

C 5 115 Red Hill Road

15 16 ... 45

B. COUNTY NAME

Louisa County

46 ... 70

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE
C 6 Gordonsville	VA	22942	0109
15 16 ... 40	41 42	47 51	52 54

CONTINUED FROM THE FRONT

VII. SIC CODES *(4-digit, in order of priority)*

A. FIRST		B. SECOND	
4911	*(specify)* Electric Services	--	*(specify)* --
C. THIRD		**D. FOURTH**	
--	*(specify)* --	--	*(specify)* --

VIII. OPERATOR INFORMATION

A. NAME	B. Is the name listed in Item VIII-A also the owner?
Virginia Electric & Power Company.	☒ YES ☐ NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box; if "Other," specify.)*

F = FEDERAL M = PUBLIC (other than federal or state) S = STATE O = OTHER (specify) P = PRIVATE

P *(specify)* --

D. PHONE *(area code & no.)*: 804 273 2929

E. STREET OR PO BOX: 5000 Dominion Boulevard

F. CITY OR TOWN	G. STATE	H. ZIP CODE
Glen Allen	VA	23060

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*: VA00087033	D. PSD *(Air Emissions from Proposed Sources)*: ---	
B. UIC (Underground Injection of Fluids): ---	E. OTHER *(specify)*: 91-1631	*(Specify)* VWP Permit (Water Withdrawal from Quarry)
C. RCRA (Hazardous Wastes): VA0000125211	E. OTHER *(specify)*: 40808	*(Specify)* VDEQ Title V Permit

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS *(provide a brief description)*

The Gordonsville Power Station is a natural gas and oil fired combined cycle power staion located approximately 1.5 miles southwest of the town of Gordonsville, Virginia. The station is owned and operated by Virginia Electric and Power Company. Days and hours of operation of the Gordonsville Power Station are dependent on power demand.

XIII. CERTIFICATION *(see instructions)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. SIGNATURE	C. DATE SIGNED
C. D. Holley, VP Fossil & Hydro System Operations	C D Holley	7/6/2012

COMMENTS FOR OFFICIAL USE ONLY

EPA Form 2C

Please type or print in the unshaded areas only

EPA ID Number *(Copy from Item 1 of Form 1)*
110000341489

Form Approved
OMB No. 2040-0086
Approval expires 3-31-98.

Form **2C** NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER *(list)*	B. LATITIUDE			C. LONGITUDE			D. RECEIVING WATERS *(name)*
	1. Deg	2. Min	3. Sec	1. Deg	2. Min	3. Sec	
001	38	07	27	78	12	13	South Anna River
(101)	38	07	26	78	12	13	Internal discharge to Holding Pond (Outfall 001)
(103)	38	07	30	78	12	10	Internal discharge to Holding Pond (Outfall 001)
(104)	38	07	27	78	12	09	Internal discharge to Holding Pond (Outfall 001)

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., *for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. *(list)*	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION *(list)*	b. AVERAGE FLOW *(include units)*	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Retention Basin Sources: Internal outfall 101, internal outfall 103, internal outfall 104, plant perimeter water drains	0.049 MGD	Discharge to surface waters, Mixing, Sedimentation, Dechlorination, Neutralization, Algae Control, Hardness Control (Gypsum)	4-A 1-U 2-E	1-O 2-K XX
(101)	Boiler Blowdown Sources: Units 1 and 2 boiler blowdown tanks, steam sample cabinet, boiler feed pump vents and drains, various drains, demineralized water	0.018 MGD	Mixing, Acid injection	1-O	XX
(103)	Unit 1 Oil Water Separator Sources: Unit 1 wastewater sump, diesel fuel containment, fuel unloading area runoff, steam turbine oily water drains, combustion turbine oily water drains, silica analyzer drains, water injection skid, vacuum pump seals, boil feed pumps, false start drains, diesel fire pump seal leakage and drains	0.015 MGD	Flotation, Sedimentation (oil water separator), chlorination (algae control)	1-H XX	1-U
(104)	Unit 2 Oil Water Separator Sources: Unit 2 wastewater sump, steam turbine oily water drains, combustion turbine oily water drains, water injection skid, vacuum plump seals, boil feed pumps, false start drains	0.0004 MGD	Flotation, Sedimentation (oil water separator), chlorination (algae control)	1-H XX	1-U

OFFICIAL USE ONLY *(effluent guidelines sub-categories)*

( )= internal outfall

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☒ **YES** *(complete the following table)* ☐ NO *(go to Section III)*

1. OUTFALL NUMBER *(list)*	2. OPERATION(s) CONTRIBUTING FLOW *(list)*	3. FREQUENCY a. DAYS PER WEEK *(specify average)*	3. FREQUENCY b. MONTHS PER YEAR *(specify average)*	4. FLOW A. FLOW RATE *(in mgd)* 1. LONG TERM AVERAGE	4. FLOW A. FLOW RATE *(in mgd)* 2. MAXIMUM DAILY	4. FLOW B. TOTAL VOLUME *(specify with units)* 1. LONG TERM AVERAGE	4. FLOW B. TOTAL VOLUME *(specify with units)* 2. MAXIMUM DAILY	4. FLOW C. DURATION *(in days)*
001	**Retention Basin** (intermittent based on operation and rainfall)	**4-5**	**12**	**0.049**	**0.120**	**0.049 mg**	**0.120 mg**	**~248/ yr**
101	**Boiler Blowdown** (intermittent based on operation)	**5-6**	**12**	**0.018**	**0.034**	**0.018 mg**	**0.034 mg**	**~310/ yr**
103	**Unit 1 Oil Water Separator** (intermittent based on operation and rainfall)	**7**	**12**	**0.015**	**0.050**	**0.015 mg**	**0.050 mg**	**~365/ yr***
104	**Unit 2 Oil Water Separator** (intermittent based on operation and rainfall)	**5-6**	**12**	**0.0004**	**0.0012**	**0.0004 mg**	**0.0012 mg**	**~310/ yr**

*When the station is not operating, discharge from outfall 103 is flow from the silica analyzer (~70 gallons per day)

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ YES *(complete item III-B)* ☐ NO *(go to Section IV)*

STEAM EFFLUENT GUIDELINES

B. Are the limitations in the applicable effluent guideline expressed in terms of production *(or other measure of operation)*?

☐ YES *(complete item III-C)* ☒ NO *(go to Section IV)*

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. *(specify)*	2. AFFECTED OUTFALLS *(list outfall numbers)*
---	---	---	---

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operations of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☐ YES *(complete the following table)* ☒ NO *(go to item IV-B)*

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS a. NO.	2. AFFECTED OUTFALLS b. SOURCE OF DISCHARGE	3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE a. REQUIRED	4. FINAL COMPLIANCE DATE b. PROJECTED
----	---	----	---	---	----

B. OPTIONAL. You may attach additional sheets describing any additional water pollution control programs *(or other environmental projects which may affect your discharges)* you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

EPA ID Number *(copy from Item 1 of Form 1)*
110000341489

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
No Table 2c-3 pollutants are known to be discharged from any of the outfalls. See SWPPP in Attachment D for information on chemical usage and storage at the Gordonsville Power Station.			

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☒ YES (*list all such pollutants below*) ☐ NO (*go to Item VI-B*)

See SWPPP in Attachment D for additional information concerning chemical usage and storage at the Gordonsville Point Power Station

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ YES (*identify the test(s) and describe their purposes below*) ☐ NO (*go to Section VIII*)

In accordance with Section C of our existing VPDES permit, the Station is currently conducting annual acute toxicity testing on Outfall 001. All TMP reports were submitted to DEQ in accordance with the permit requirements.

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☐ YES (*list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below*) ☐ NO (*go to Section IX*)

A. NAME	B. ADDRESS	C. TELEPHONE (*area code & no.*)	D. POLLUTANTS ANALYZED (*list*)
Coastal Bioanalysts, Inc.	**6400 Enterprise Court, Gloucester, VA 23061**	**(804) 694-8285**	**Whole Effluent Toxicity**
Pace Analytical Services Inc.	**1638 Roscytown Road Greensburg, PA 15601**	**(724) 850-5600**	**Gross Alpha, Gross Beta, Strontium 90,Tritium**
Primary Laboratories, Inc.	**7423 Lee Davis Road Mechanicsville, VA 23111**	**(804) 559-9004**	**BOD; Pesticides; Herbicides; TBT; 1,2 Diphenylhydrazine; Hydrogen sulfide; E Coli; Hexavalent Chromium; Chromium III; Color; Bromide; Surfactants; Sulfide; Fecal coliform; Nonylphenol**
Environmental Systems Service, Ltd.	**218 North Main Street Culpeper, VA 22701**	**(540) 825-6660**	**TSS; Chloride; Total Residual Chlorine; pH; TPH**

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (*type or print*)	B. PHONE NO. (*area code & no.*)
C. D. Holley VP Fossil & Hydro System Operations	**(804) 273-3592**
C. SIGNATURE C D Holley	D. DATE SIGNED 7/6/2012

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)
110000341489

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 001

PART A -You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. Pollutant	2. EFFLUENT							3. UNITS (*specify if blank*)		4. INTAKE (*optional*)		
	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biological Oxygen Demand *(BOD)*	3.7	3.70296	--	--	--	--	1	PPM	LBS/DAY	--	--	--
b. Chemical Oxygen Demand *(COD)*	16.2	16.21296	--	--	--	--	1	PPM	LBS/DAY	--	--	--
c. Total Organic Carbon *(TOC)*	1.7	1.70136		--		--	1	PPM	LBS/DAY	--	--	--
d. Total Suspended Solids *(TSS)*	9.2	9.20736		--		--	1	PPM	LBS/DAY	--	--	--
e. Ammonia *(as N)*	0.01	0.010008	--	--	--	--	1	PPM	LBS/DAY	--	--	--
f. Flow	VALUE 0.12		VALUE 0.10		VALUE 0.05		36	MGD	--	VALUE --		--
g. Temperature *(winter)*	VALUE 5		VALUE --		VALUE --		1	°C		VALUE --		--
h. Temperature *(summer)*	VALUE 31.1		VALUE --		VALUE --		1	°C		VALUE --		--
i. pH	6.1	8.7	--	--			36	STANDARD UNITS				

PART B Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS NO. *(If available)*	2.MARK 'X'		3. EFFLUENT							UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	x		< 0.1	< 0.10008	--	--	--	--	1	PPM	LBS/DAY	--	--	--
b. Chlorine, Total Residual	x		< 0.1	< 0.10008	< 0.1	< 0.0834	< 0.1	< 0.0417	36	PPM	LBS/DAY	--	--	--
c. Color	x		18	--	--	--	--	--	1	NTU	--	--	--	--
d. Fecal Coliform	x		80	80.064	--	--	--	--	1	col/100ml	--	--	--	--
e. Fluoride (16984-48-8)	x		< 0.023	< 0.0230184	--	--	--	--	1	PPM	LBS/DAY	--	--	--
f. Nitrate - Nitrite *(as N)*	x		0.06	0.060048	--	--	--	--	1	PPM	LBS/DAY	--	--	--

ITEM V-B CONTINUED

OUTFALL NO. 001

1. Pollutant and CAS NO. (If available)	2.MARK 'X'		3. EFFLUENT							UNITS (specify if blank		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION														
g. Nitrogen, Total Organic (as N)	x		0.58	0.58	--	--	--	--	1	PPM	LBS/DAY	--	--	--
h. Oil & Grease	x		< 5	< 5.004	--	--	--	--	1	PPM	LBS/DAY	--	--	--
i. Phosphorus (as P), Total (7723-14-0)	x		< 0.47	< 0.470376	--	--	--	--	1	PPM	LBS/DAY	--	--	--
j. Radioactivity														
(1) Alpha	x		< 2.06	--	--	--	--	--	1	pCi/L	--	--	--	--
(2) Beta	x		< 2.23	--	--	--	--	--	1	pCi/L	--	--	--	--
(3) Radium, Total		x	--	--	--	--	--	--	1	pCi/L	--	--	--	--
(4) Radium 226, Total		x	--	--	--	--	--	--	1	pCi/L	--	--	--	--
k. Sulfate (as SO_4) (14808-79-8)	x		1.29	1.29	--	--	--	--	1	PPM	LBS/DAY	--	--	--
l. Sulfide (as S)	x		< 0.05	< 0.05	--	--	--	--	1	PPM	LBS/DAY	--	--	--
m. Sulfite (as SO_3) (14265-45-3)		x	No Sample	--	--	--	--	--	--	--	--	--	--	--
n. Surfactants	x		< 0.1	< 0.10	--	--	--	--	1	PPM	LBS/DAY	--	--	--
o. Aluminum, Total (7429-90-5)	x		< 0.09	< 0.09	--	--	--	--	1	PPM	LBS/DAY	--	--	--
p. Barium Total (7440-39-3)	x		0.009	0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
q. Boron, Total (7440-42-8)	x		< 0.02	< 0.02	--	--	--	--	1	PPM	LBS/DAY	--	--	--
r. Cobalt, Total (7440-48-4)	x		< 0.0006	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
s. Iron, Total (7439-89-6)	x		0.23	0.23	--	--	--	--	1	PPM	LBS/DAY	--	--	--
t. Magnesium, Total (7439-95-4)	x		0.13	0.13	--	--	--	--	1	PPM	LBS/DAY	--	--	--
u. Molybdenum, Total (7439-98-7)	x		0.005	0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
v. Manganese, Total (7439-96-5)	x		0.03	0.03	--	--	--	--	1	PPM	LBS/DAY	--	--	--
w. Tin, Total (7440-31-5)	x		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
x. Titanium, Total (7440-32-6)	x		< 0.002	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--

EPA I.D. NUMBER (copy from Item 1 of Form 1)	110000341489	OUTFALL NO. 001

CONTINUED FROM PAGE V-2

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements

Part C.

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT						d. No. OF ANALYSES	4. UNITS		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*			a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X	X		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
2M. Arsenic, Total (7440-38-2	X	X		< 0.003	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
3M. Beryllium, Total (7440-41-7)	X	X		< 0.0002	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
4M. Cadmium, Total (7440-43-9)	X	X		< 0.0003	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
5M. Chromium, Total (7440-47-3)	X	X		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
6M. Copper, Total (7440-50-8)	X	X		0.007	0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
7M. Lead, Total (7439-92-1)	X	X		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
8M. Mercury, Total (7439-97-6)	X	X		< 0.0002	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
9M. Nickel, Total (7440-02-0)	X	X		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
10M. Selenium, Total (7782-49-2)	X	X		< 0.003	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
11M. Silver, Total (7440-22-4	X	X		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
12M. Thallium, Total (7440-28-0)	X	X		< 0.0002	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
13M. Zinc, Total (7440-66-6)	X	X		0.15	0.15	--	--	--	--	1	PPM	LBS/DAY	--	--	--
14M. Cyanide, Total (57-12-5)	X	X		< 0.01	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
15M. Phenols, Total	X	X		0.02	0.02	--	--	--	--	1	PPM	LBS/DAY	--	--	--
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P Dioxin (1764-01-6)			X	DESCRIBE RESULTS	No Sample										

CONTINUED FROM PAGE V-3

OUTFALL NO. 001

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT						4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	x	x		< 0.01	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
2V. Acrylonitrile (107-13-1)	x	x		< 0.0015	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
3V. Benzene (71-43-2)	x	x		< 0.0044	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
4V. Bis (Chloromethyl) Ether (542-88-1)				Not Required	--	Not Required	--	Not Required	--	--	--	--	--	--	--
5V. Bromoform (75-25-2)	x	x		< 0.0047	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
6V. Carbon Tetrachloride (56-23-5)	x	x		< 0.0028	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
7V. Chlorobenzene (108-90-7)	x	x		< 0.006	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
8V. Chlorodibromomethane (124-48-1)	x	x		< 0.0031	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
9V. Chloroethane (75-00-3)	x	x		< 0.0011	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
10V. 2-Chloroethylvinyl Ether (110-75-8)	x	x		< 0.0012	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
11V. Chloroform (67-66-3)	x	x		< 0.0016	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
12V. Dichlorobromomethane (75-27-4)	x	x		< 0.0022	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
13V. Dichlorodifluoromethane (75-71-8)				Not Required	--	Not Required	--	Not Required	--	--	--	--	--	--	--
14V. 1,1-Dichloroethane (75-34-3)	x	x		< 0.0047	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
15V. 1,2-Dichloroethane (107-06-2)	x	x		< 0.0028	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
16V. 1,1-Dichloroethylene (75-35-4)	x	x		< 0.0028	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
17V. 1,2-Dichloropropane (78-87-5)	x	x		< 0.006	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
18V. 1,3-Dichloropropylene (542-75-6)	x	x		< 0.0059	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
19V. Ethylbenzene (100-41-4)	x	x		< 0.0072	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
20V. Methyl Bromide (74-83-9)	x	x		< 0.0014	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
21V. Methyl Chloride (74-87-3)	x	x		< 0.0011	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-4

OUTFALL NO. 001

1. Pollutant and CAS NO. *(if available)*	2. MARK 'X'			3. EFFLUENT						4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS *(continued)*															
22V. Methylene Chloride (75-09-2)	x	x		< 0.0028	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	x	x		< 0.0069	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
24V. Tetrachloroethylene (127-18-4)	x	x		< 0.0041	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
25V. Toluene (108-88-3)	x	x		< 0.006	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
26V. 1,2-Trans-Dichloroethylene (156-60-5)	x	x		< 0.0016	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
27V. 1,1,1-Trichloroethane (71-55-6)	x	x		< 0.0038	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
28V. 1,1,2-Trichloroethane (79-00-5)	x	x		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
29V Trichloroethylene (79-01-6)	x	x		< 0.0019	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
30V. Trichlorofluoromethane (75-69-4)	x	x		< 0.0023	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--		
31V. Vinyl Chloride (75-01-4)	x	x		< 0.0018	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	x	x		< 0.0033	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
2A. 2,4-Dichlorophenol (120-83-2)	x	x		< 0.0056	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
3A. 2,4-Dimethylphenol (105-67-9)	x	x		< 0.0052	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
4A. 4,6-Dinitro-OCresol (534-52-1)	x	x		< 0.024	< 0.02	--	--	--	--	1	PPM	LBS/DAY	--	--	--
5A. 2,4-Dinitrophenol (51-28-5)	x	x		< 0.042	< 0.04	--	--	--	--	1	PPM	LBS/DAY	--	--	--
6A. 2-Nitrophenol (88-75-5)	x	x		< 0.0036	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
7A. 4-Nitrophenol (100-02-7)	x	x		< 0.0024	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
8A. P-Chloro-MCresol (59-50-7)	x	x		< 0.0075	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
9A. Pentachlorophenol (87-86-5	x	x		< 0.0036	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
10A. Phenol (108-95-2)	x	x		< 0.0027	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
11A. 2,4,6-Trichlorophenol (88-05-2)	x	x		< 0.11	< 0.11	--	--	--	--	1	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-5

OUTFALL NO. 001

1. Pollutant and CAS NO. (If available)	2. MARK 'X'			3. EFFLUENT						d. No. OF ANALYSES	4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)			a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	x	x		< 0.0057	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
2B. Acenaphtylene (208-96-8)	x	x		< 0.0035	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
3B. Anthracene (120-12-7)	x	x		< 0.0019	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
4B. Benzidine (92-87-5)	x	x		< 0.063	< 0.06	--	--	--	--	1	PPM	LBS/DAY	--	--	--
5B. Benzo (a) Anthracene (56-55-3)	x	x		< 0.0078	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
6B. Benzo (a) Pyrene (50-32-8)	x	x		< 0.0025	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
7B. 3,4-Benzofluoranthene (205-99-2)	x	x		< 0.0048	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
8B. Benzo (ghi) Perylene (191-24-2)	x	x		< 0.0041	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
9B. Benzo (k) Fluoranthene (207-08-9)	x	x		< 0.0025	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	x	x		< 0.0053	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
11B. Bis (2-Chloroethyl) Ether (111-44-4)	x	x		< 0.0057	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)	x	x		< 0.0057	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	x	x		< 0.0025	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x	x		< 0.003	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
15B. Butyl Benzyl Phthalate (85-68-7)	x	x		< 0.0025	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
16B. 2-Chloronaphthalene (91-58-7)	x	x		< 0.0046	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	x	x		< 0.0042	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
18B. Chrysene (218-01-9)	x	x		< 0.0025	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
19B. Dibenzo (a,h) Anthracene (53-70-3)	x	x		< 0.0025	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
20B. 1,2-Dichlorobenzene (95-50-1)	x	x		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
21B. 1,3-Di-chlorobenzene (541-73-1)	x	x		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-6

OUTFALL NO. 001

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	x	x		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
23B. 3,3-Dichlorobenzidine (91-94-1)	x	x		< 0.0165	< 0.02	--	--	--	--	1	PPM	LBS/DAY	--	--	--
24B. Diethyl Phthalate (84-66-2)	x	x		< 0.0074	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
25B. Dimethyl Phthalate (131-11-3)	x	x		< 0.0075	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
26B. Di-N-Butyl Phthalate (84-74-2)	x	x		< 0.0064	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
27B. 2,4-Dinitrotoluene (121-14-2)	x	x		< 0.0057	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
28B. 2,6-Dinitrotoluene (606-20-2)	x	x		< 0.0034	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
29B. Di-N-Octyl Phthalate (117-84-0)	x	x		< 0.0025	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
30B. 1,2-Diphenylhydrazine (*as Azobenzene*) (122-66-7)	x	x		< 0.0088	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
31B. Fluoranthene (206-44-0)	x	x		< 0.0022	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
32B. Fluorene (86-73-7)	x	x		< 0.0022	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
33B. Hexachlorobenzene (118-74-1)	x	x		< 0.0031	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
34B. Hexachlorobutadiene (87-68-3)	x	x		< 0.0018	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
35B. Hexachlorocyclopentadiene (77-47-4)	x	x		< 0.01	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
36B Hexachloroethane (67-72-1)	x	x		< 0.0024	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)	x	x		< 0.0037	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
38B. Isophorone (78-59-1)	x	x		< 0.0051	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
39B. Naphthalene (91-20-3)	x	x		< 0.0038	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
40B. Nitrobenzene (98-95-3)	x	x		< 0.0042	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
41B. N-Nitrosodimethylamine (62-75-9)	x	x		< 0.0062	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
42B. N-Nitrosodi- N-Propylamine (621-64-7)	x	x		< 0.0036	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-7

OUTFALL NO. 001

1. Pollutant and CAS NO. (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS (specify if blank)		5. INTAKE (optional)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)	x	x		< 0.0027	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
44B. Phenanthrene (85-01-8)	x	x		< 0.0054	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
45B. Pyrene (129-00-0	x	x		< 0.0038	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
46B. 1,2,4-Trichlorobenzene (120-82-1)	x	x		< 0.0079	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
GS/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)	x	x		< 0.00005	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
2P. α-BHC (319-84-6)	x	x		< 0.00005	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
3P. β-BHC (319-85-7)	x	x		< 0.00005	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
4P. γ-BHC (58-89-9)	x	x		< 0.00005	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
5P. δ-BHC (319-86-8)	x	x		< 0.00005	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
6P. Chlordane (57-74-9)	x	x		< 0.0002	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
7P. 4,4'-DDT (50-29-3)	x	x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
8P. 4,4'-DDE (72-55-9)	x	x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
9P. 4,4'-DDD (72-54-8)	x	x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
10P. Dieldrin (60-57-1)	x	x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
11P. α-Endosulfan (115-29-7)	x	x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
12P. β-Endosulfan (115-29-7)	x	x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
13P. Endosulfan Sulfate (1031-07-8)	x	x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
14P. Endrin (72-20-8	x	x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Aldehyde (7421-93-4)	x	x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
16P. Heptachlor (76-44-8)	x	x		< 0.00005	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-8

EPA I.D. NUMBER (copy from Item 1 of Form 1) 110000341489

OUTFALL NO. 001

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - PESTICIDES *(continued)*															
17P. Heptachlor Epoxide (1024-57-3)	x	x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
18P. PCB-1242 (53469-21-9)	x	x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
19P. PCB-1254 (11097-69-1)	x	x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
20P. PCB-1221 (11104-28-2)	x	x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
21P. PCB-1232 (11131-16-5)	x	x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
22P. PCB-1248 (12672-29-6)	x	x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
23P. PCB-1260 (11096-82-5)	x	x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
24P. PCB-1016 (12674-11-2)	x	x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
25P. Toxaphene (8001-35-2)	x	x		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--

OUTFALL NO. 001, additional data

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
Strontium-90		x		< 1.03	--	--	--	--	--	1	pCi/L	--	--	--	--
Tritium		x		< 223	--	--	--	--	--	1	pCi/L	--	--	--	--
2,4-D		x		< 0.01	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Tl (dissolved)		x		< 0.0002	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Ti (dissolved)		x		< 0.002	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Sn (dissolved)		x		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Se (dissolved)		x		< 0.003	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Sb (dissolved)		x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Pb (dissolved)		x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Ni (dissolved)		x		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Mo (dissolved)		x		0.006	0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Hg (dissolved)		x		< 0.0002	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Cu (dissolved)		x		0.004	0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Cr (dissolved)		x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Co (dissolved)		x		< 0.0006	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Cd (dissolved)		x		< 0.0003	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Be (dissolved)		x		< 0.0002	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Ba (dissolved)		x		0.008	0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
As (dissolved)		x		< 0.003	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Ag (dissolved)		x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Zn (dissolved)		x		< 0.01	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Mn (dissolved)		x		0.02	0.02	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Mg (dissolved)		x		0.11	0.11	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Fe (dissolved)		x		< 0.05	< 0.05	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Al (dissolved)		x		< 0.09	< 0.09	--	--	--	--	1	PPM	LBS/DAY	--	--	--
TPH		x		0.59	0.59	0.59	--	0.22	--	6	PPM	LBS/DAY	--	--	--
Total Dissolved Solids		x		< 10	< 10.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Total Hardness as CaCO3		x		34	--	34	--	18.7	--	5	PPM	LBS/DAY	--	--	--
Chlorides as Cl		x		9.78	9.79	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Nitrate as N		x		0.08	0.08	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Hydrogen Sulfide		x		< 0.05	< 0.05	--	--	--	--	1	PPM	LBS/DAY	--	--	--
E. Coli		x		< 1	< 1.00	--	--	--	--	1	MPN	--	--	--	--
Cr +6 as Cr6		x		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Nonylphenol		x		< 0.005	< 0.01	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Tributyltin		x		< 0.00003	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Kepone		x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Methoxychlor		x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Mirex		x		< 0.0001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Chlorpyrifos		x		< 0.0002	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Demeton		x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Diazinon		x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Guthion		x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Malathion		x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Parathion		x		< 0.001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--
Silvex		x		< 0.00001	< 0.00	--	--	--	--	1	PPM	LBS/DAY	--	--	--

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)
110000341489

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 101

PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. Pollutant	2. EFFLUENT						3. UNITS (*specify if blank*)		4. INTAKE (*optional*)		
	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biological Oxygen Demand *(BOD)*	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
b. Chemical Oxygen Demand *(COD)*	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
c. Total Organic Carbon *(TOC)*	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
d. Total Suspended Solids *(TSS)*	41.00	11.62596	41.00	11.62596	3.14	0.471	36	PPM	LBS/DAY	--	--	--
e. Ammonia *(as N)*	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
f. Flow	VALUE 0.0340		VALUE 0.0340		VALUE 0.0180		36	MGD	--	VALUE --		--
g. Temperature (*winter*)	VALUE No Sample		VALUE --		VALUE --		0	°C		VALUE --		--
h. Temperature (*summer*)	VALUE No Sample		VALUE --		VALUE --		0	°C		VALUE --		--
i. pH	No Sample	No Sample	--	--			0	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'		3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
b. Chlorine, Total Residual		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
c. Color		x	No Sample	--	--	--	--	--	0	NTU	--	--	--	--
d. Fecal Coliform		x	No Sample	--	--	--	--	--	0	COL/100ml	--	--	--	--
e. Fluoride (16984-48-8)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
f. Nitrate - Nitrite *(as N)*		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

ITEM V-B CONTINUED

OUTFALL NO. 101

1. Pollutant and CAS NO. *(If available)*	2.MARK 'X'		3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION														
g. Nitrogen, Total Organic *(as N)*		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
h. Oil & Grease	x		21.00	5.95	21.00	5.95	< 5.00	< 0.75	36	PPM	LBS/DAY	--	--	--
i. Phosphorus (as P), Total (7723-14-0)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
j. Radioactivity														
(1) Alpha		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
(2) Beta		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
(3) Radium, Total		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
(4) Radium 226, Total		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
k. Sulfate *(as SO_4)* (14808-79-8)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
l. Sulfide *(as S)*		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
m. Sulfite (as SO_3) (14265-45-3)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
n. Surfactants		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
o. Aluminum, Total (7429-90-5)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
p. Barium Total (7440-39-3)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
q. Boron, Total (7440-42-8)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
r. Cobalt, Total (7440-48-4)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
s. Iron, Total (7439-89-6)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
t. Magnesium, Total (7439-95-4)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
u. Molybdenum, Total (7439-98-7)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
v. Manganese, Total (7439-96-5)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
w. Tin, Total (7440-31-5)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
x. Titanium, Total (7440-32-6)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NO.
110000341489	101

CONTINUED FROM PAGE V-2

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements

Part C.

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2M. Arsenic, Total (7440-38-2			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3M. Beryllium, Total (7440-41-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4M. Cadmium, Total (7440-43-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5M. Chromium, Total (7440-47-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6M. Copper, Total (7440-50-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7M. Lead, Total (7439-92-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8M. Mercury, Total (7439-97-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9M. Nickel, Total (7440-02-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10M. Selenium, Total (7782-49-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11M. Silver, Total (7440-22-4			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12M. Thallium, Total (7440-28-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13M. Zinc, Total (7440-66-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
14M. Cyanide, Total (57-12-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
15M. Phenols, Total			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P Dioxin (1764-01-6)			x	DESCRIBE RESULTS No Sample											

CONTINUED FROM PAGE V-3

OUTFALL NO. 101

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2V. Acrylonitrile (107-13-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3V. Benzene (71-43-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4V. Bis (Chloromethyl) Ether (542-88-1)				Not Required	--	Not Required		Not Required	--	--	--	--	--	--	--
5V. Bromoform (75-25-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6V. Carbon Tetrachloride (56-23-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7V. Chlorobenzene (108-90-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8V. Chlorodibromomethane (124-48-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9V. Chloroethane (75-00-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10V. 2-Chloroethylvinyl Ether (110-75-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11V. Chloroform (67-66-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12V. Dichlorobromomethane (75-27-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13V. Dichlorodifluoromethane (75-71-8)				Not Required	--	Not Required	--	Not Required	--	--	--	--	--	--	v
14V. 1,1-Dichloroethane (75-34-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
15V. 1,2-Dichloroethane (107-06-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
16V. 1,1-Dichloroethylene (75-35-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
17V. 1,2-Dichloropropane (78-87-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
18V. 1,3-Dichloropropylene (542-75-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
19V. Ethylbenzene (100-41-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
20V. Methyl Bromide (74-83-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
21V. Methyl Chloride (74-87-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-4

OUTFALL NO. 101

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT						4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE (1) CONCENTRATION	a. MAXIMUM DAY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS	c. LONG TERM AVG. VALUE *(if available)* (1) CONCENTRATION	c. LONG TERM AVG. VALUE *(if available)* (2) MASS	d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE (1) CONCENTRATION	a. LONG TERM AVG. VALUE (2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION - VOLATILE COMPOUNDS *(continued)*															
22V. Methylene Chloride (75-09-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
24V. Tetrachloroethylene (127-18-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
25V. Toluene (108-88-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
26V. 1,2-Trans-Dichloroethylene (156-60-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
27V. 1,1,1-Trichloroethane (71-55-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
28V. 1,1,2-Trichloroethane (79-00-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
29V Trichloroethylene (79-01-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
30V. Trichlorofluoromethane (75-69-4)				Not Required	--	Not Required	--	Not Required	--	--	--	--	--	--	--
31V. Vinyl Chloride (75-01-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2A. 2,4-Dichlorophenol (120-83-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3A. 2,4-Dimethylphenol (105-67-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4A. 4,6-Dinitro-OCresol (534-52-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5A. 2,4-Dinitrophenol (51-28-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6A. 2-Nitrophenol (88-75-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7A. 4-Nitrophenol (100-02-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8A. P-Chloro-MCresol (59-50-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9A. Pentachlorophenol (87-86-5			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10A. Phenol (108-95-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11A. 2,4,6-Trichlorophenol (88-05-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-5

OUTFALL NO. 101

1. Pollutant and CAS NO. (If available)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2B. Acenaphtylen (208-96-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3B. Anthracene (120-12-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4B. Benzidine (92-87-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5B. Benzo (a) Anthracene (56-55-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6B. Benzo (a) Pyrene (50-32-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7B. 3,4-Benzofluoranthene (205-99-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8B. Benzo (ghi) Perylene (191-24-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9B. Benzo (k) Fluoranthene (207-08-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11B. Bis (2-Chloroethyl) Ether (111-44-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
14B. 4-BromophenylPhenyl Ether (101-55-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
15B. Butyl Benzyl Phthalate (85-68-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
16B. 2-Chloronaphthalene (91-58-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
18B. Chrysene (218-01-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
19B. Dibenzo (a,h) Anthracene (53-70-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
20B. 1,2-Dichlorobenzene (95-50-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
21B. 1,3-Di-chlorobenzene (541-73-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-6

OUTFALL NO. 101

1. Pollutant and CAS NO. (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS (specify if blank)		5. INTAKE (optional)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
23B. 3,3-Dichlorobenzidine (91-94-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
24B. Diethyl Phthalate (84-66-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
25B. Dimethyl Phthalate (131-11-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
26B. Di-N-Butyl Phthalate (84-74-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
27B. 2,4-Dinitrotoluene (121-14-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
28B. 2,6-Dinitrotoluene (606-20-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
29B. Di-N-Octyl Phthalate (117-84-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
30B. 1,2-Diphenylhydrazine (as *Azobenzene*) (122-66-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
31B. Fluoranthene (206-44-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
32B. Fluorene (86-73-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
33B. Hexachlorobenzene (118-74-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
34B. Hexachlorobutadiene (87-68-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
35B. Hexachlorocyclopentadiene (77-47-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
36B Hexachloroethane (67-72-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
38B. Isophorone (78-59-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
39B. Naphthalene (91-20-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
40B. Nitrobenzene (98-95-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
41B. N-Nitrosodimethylamine (62-75-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
42B. N-Nitrosodi- N-Propylamine (621-64-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-7

OUTFALL NO. 101

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
44B. Phenanthrene (85-01-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
45B. Pyrene (129-00-0			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
46B. 1.2.4-Trichlorobenzene (120-82-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
GS/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2P. α-BHC (319-84-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3P. β-BHC (319-85-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4P. γ-BHC (58-89-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5P. δ-BHC (319-86-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6P. Chlordane (57-74-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7P. 4.4`-DDT (50-29-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8P. 4.4`-DDE (72-55-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9P. 4.4`-DDD (72-54-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10P. Dieldrin (60-57-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11P. α-Enosulfan (115-29-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12P. β-Endosulfan (115-29-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13P. Endosulfan Sulfate (1031-07-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
14P. Endrin (72-20-8			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
Aldehyde (7421-93-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
16P. Heptachlor (76-44-8			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-8

1. Pollutant and CAS NO. (*If available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - PESTICIDES (*continued*)															
17P. Heptachlor Epoxide (1024-57-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
18P. PCB-1242 (53469-21-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
19P. PCB-1254 (11097-69-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
20P. PCB-1221 (11104-28-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
21P. PCB-1232 (11141-16-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
22P. PCB-1248 (12672-29-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
23P. PCB-1260 (11096-82-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
24P. PCB-1016 (12674-11-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
25P. Toxaphene (8001-35-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)
110000341489

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 103

PART A --You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. Pollutant	2. EFFLUENT							3. UNITS (*specify if blank*)		4. INTAKE (*optional*)		
	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biological Oxygen Demand *(BOD)*	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
b. Chemical Oxygen Demand *(COD)*	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
c. Total Organic Carbon *(TOC)*	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
d. Total Suspended Solids *(TSS)*	5.00	2.085	5.00	2.085	2.53	0.310	23	PPM	LBS/DAY	--	--	--
e. Ammonia *(as N)*	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
f. Flow	VALUE 0.0500		VALUE 0.0500		VALUE 0.0147		23	MGD	--	VALUE --		--
g. Temperature (*winter*)	VALUE No Sample		VALUE --		VALUE --		0	°C		VALUE --		--
h. Temperature (*summer*)	VALUE No Sample		VALUE --		VALUE --		0	°C		VALUE --		--
i. pH	No Sample	No Sample	--	--			0	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'		3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
b. Chlorine, Total Residual		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
c. Color		x	No Sample	--	--	--	--	--	0	NTU	--	--	--	--
d. Fecal Coliform		x	No Sample	--	--	--	--	--	0	COL/100ml	--	--	--	--
e. Fluoride (16984-48-8)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
f. Nitrate - Nitrite *(as N)*		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

ITEM V-B CONTINUED

OUTFALL NO. 103

1. Pollutant and CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS (specify if blank)		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION														
g. Nitrogen, Total Organic (as N)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
h. Oil & Grease	x		< 5.00	< 2.09	< 5.00	< 2.09	< 5.00	< 0.61	23	PPM	LBS/DAY	--	--	--
i. Phosphorus (as P), Total (7723-14-0)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
j. Radioactivity														
(1) Alpha		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
(2) Beta		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
(3) Radium, Total		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
(4) Radium 226, Total		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
k. Sulfate (as SO_4) (14808-79-8)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
l. Sulfide (as S)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
m. Sulfite (as SO_3) (14265-45-3)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
n. Surfacants		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
o. Aluminum, Total (7429-90-5)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
p. Barium Total (7440-39-3)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
q. Boron, Total (7440-42-8)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
r. Cobalt, Total (7440-48-4)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
s. Iron, Total (7439-89-6)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
t. Magnesium, Total (7439-95-4)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
u. Molybdenum, Total (7439-98-7)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
v. Manganese, Total (7439-96-5)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
w. Tin, Total (7440-31-5)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
x. Titanium, Total (7440-32-6)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NO.
110000341489	103

CONTINUED FROM PAGE V-2

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements

Part C.

1. Pollutant and CAS NO. *(if available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2). MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2M. Arsenic, Total (7440-38-2			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3M. Beryllium, Total (7440-41-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4M. Cadmium, Total (7440-43-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5M. Chromium, Total (7440-47-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6M. Copper, Total (7440-50-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7M. Lead, Total (7439-92-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8M. Mercury, Total (7439-97-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9M. Nickel, Total (7440-02-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10M. Selenium, Total (7782-49-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11M. Silver, Total (7440-22-4			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12M. Thallium, Total (7440-28-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13M. Zinc, Total (7440-66-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
14M. Cyanide, Total (57-12-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
15M. Phenols, Total			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P Dioxin (1764-01-6)			x	DESCRIBE RESULTS		No Sample									

CONTINUED FROM PAGE V-3

OUTFALL NO. 103

1. Pollutant and CAS NO. *(if available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2V. Acrylonitrile (107-13-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3V. Benzene (71-43-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4V. Bis (Chloromethyl) Ether (542-88-1)				Not Required	--	Not Required		Not Required	--	--	--	--	--	--	--
5V. Bromoform (75-25-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6V. Carbon Tetrachloride (56-23-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7V. Chlorobenzene (108-90-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8V. Chlorodibromomethane (124-48-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9V. Chloroethane (75-00-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10V. 2-Chloroethylvinyl Ether (110-75-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11V. Chloroform (67-66-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12V. Dichlorobromomethane (75-27-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13V. Dichlorodifluoromethane (75-71-8)				Not Required	--	Not Required	--	Not Required	--	--	--	--	--	--	--
14V. 1,1-Dichloroethane (75-34-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
15V. 1,2-Dichloroethane (107-06-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
16V. 1,1-Dichloroethylene (75-35-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
17V. 1,2-Dichloropropane (78-87-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
18V. 1,3-Dichloropropylene (542-75-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
19V. Ethylbenzene (100-41-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
20V. Methyl Bromide (74-83-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
21V. Methyl Chloride (74-87-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-4

OUTFALL NO. 103

1. Pollutant and CAS NO. *(if available)*	2. MARK 'X'			3. EFFLUENT						4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS *(continued)*															
22V. Methylene Chloride (75-09-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
24V. Tetrachloroethylene (127-18-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
25V. Toluene (108-88-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
26V. 1,2-Trans-Dichloroethylene (156-60-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
27V. 1,1,1-Trichloroethane (71-55-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
28V. 1,1,2-Trichloroethane (79-00-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
29V Trichloroethylene (79-01-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
30V. Trichlorofluoromethane (75-69-4)				Not Required	--	Not Required	--	Not Required	--	--	--	--	--	--	--
31V. Vinyl Chloride (75-01-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2A. 2,4-Dichlorophenol (120-83-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3A. 2,4-Dimethylphenol (105-67-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4A. 4,6-Dinitro-OCresol (534-52-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5A. 2,4-Dinitrophenol (51-28-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6A. 2-Nitrophenol (88-75-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7A. 4-Nitrophenol (100-02-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8A. P-Chloro-MCresol (59-50-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9A. Pentachlorophenol (87-86-5			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10A. Phenol (108-95-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11A. 2,4,6-Trichlorophenol (88-05-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-5

OUTFALL NO. 103

1. Pollutant and CAS NO. (If available)	2. MARK 'X'			3. EFFLUENT						d. No. OF ANALYSES	4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)			a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2B. Acenaphtylen (208-96-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3B. Anthracene (120-12-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4B. Benzidine (92-87-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5B. Benzo (a) Anthracene (56-55-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6B. Benzo (a) Pyrene (50-32-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7B. 3,4-Benzofluoranthene (205-99-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8B. Benzo (ghi) Perylene (191-24-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9B. Benzo (k) Fluoranthene (207-08-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11B. Bis (2-Chloroethyl) Ether (111-44-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
14B. 4-BromophenylPhenyl Ether (101-55-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
15B. Butyl Benzyl Phthalate (85-68-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
16B. 2-Chloronaphthalene (91-58-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
18B. Chrysene (218-01-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
19B. Dibenzo (a,h) Anthracene (53-70-31			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
20B. 1,2-Dichlorobenzene (95-50-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
21B. 1,3-Di-chlorobenzene (541-73-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-6

OUTFALL NO. 103

1. Pollutant and CAS NO. *(if available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
23B. 3,3-Dichlorobenzidine (91-94-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
24B. Diethyl Phthalate (84-66-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
25B. Dimethyl Phthalate (131-11-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
26B. Di-N-Butyl Phthalate (84-74-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
27B. 2,4-Dinitrotoluene (121-14-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
28B. 2,6-Dinitrotoluene (606-20-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
29B. Di-N-Octyl Phthalate (117-84-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
30B. 1,2-Diphenylhydrazine (*as Azobenzene*) (122-66-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
31B. Fluoranthene (206-44-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
32B. Fluorene (86-73-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
33B. Hexachlorobenzene (118-74-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
34B. Hexachlorobutadiene (87-68-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
35B. Hexachlorocyclopentadiene (77-47-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
36B Hexachloroethane (67-72-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
38B. Isophorone (78-59-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
39B. Naphthalene (91-20-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
40B. Nitrobenzene (98-95-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
41B. N-Nitrosodimethylamine (62-75-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
42B. N-Nitrosodi- N-Propylamine (621-64-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-7

OUTFALL NO. 103

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
44B. Phenanthrene (85-01-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
45B. Pyrene (129-00-0			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
46B. 1,2,4-Trichlorobenzene (120-82-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
GS/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2P. α-BHC (319-84-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3P. β-BHC (319-85-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4P. γ-BHC (58-89-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5P. δ-BHC (319-86-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6P. Chlordane (57-74-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7P. 4,4'-DDT (50-29-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8P. 4,4'-DDE (72-55-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9P. 4,4'-DDD (72-54-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10P. Dieldrin (60-57-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11P. α-Enosulfan (115-29-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12P. β-Endosulfan (115-29-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13P. Endosulfan Sulfate (1031-07-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
14P. Endrin (72-20-8			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
Aldehyde (7421-93-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
16P. Heptachlor (76-44-8			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

EPA I.D. NUMBER (copy from Item 1 of Form 1) 110000341489 | OUTFALL NO. 103

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE (1) CONCENTRATION	a. MAXIMUM DAY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS	c. LONG TERM AVG. VALUE *(if available)* (1) CONCENTRATION	c. LONG TERM AVG. VALUE *(if available)* (2) MASS	d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE (1) CONCENTRATION	a. LONG TERM AVG. VALUE (2) MASS	b. NO. OF ANALYSES
GS/MS FRACTION - PESTICIDES *(continued)*															
17P. Heptachlor Epoxide (1024-57-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
18P. PCB-1242 (53469-21-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
19P. PCB-1254 (11097-69-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
20P. PCB-1221 (11104-28-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
21P. PCB-1232 (11141-16-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
22P. PCB-1248 (12672-29-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
23P. PCB-1260 (11096-82-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
24P. PCB-1016 (12674-11-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
25P. Toxaphene (8001-35-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 104

PART A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. Pollutant	2. EFFLUENT							3. UNITS (*specify if blank*)		4. INTAKE (*optional*)		
	a. MAXIMUM DAY VALUE			b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biological Oxygen Demand (*BOD*)	No Sample	--		--	--	--	--	0	PPM	LBS/DAY	--	--	--
b. Chemical Oxygen Demand (*COD*)	No Sample	--		--	--	--	--	0	PPM	LBS/DAY	--	--	--
c. Total Organic Carbon (*TOC*)	No Sample	--		--	--	--	--	0	PPM	LBS/DAY	--	--	--
d. Total Suspended Solids (*TSS*)	20.0	0.20		20.0	0.20	6.63	0.01	23	PPM	LBS/DAY	--	--	--
e. Ammonia (*as N*)	No Sample	--		--	--	--	--	0	PPM	LBS/DAY	--	--	--
f. Flow	VALUE 0.0012			VALUE 0.0012		VALUE 0.0001		23	MGD	--	VALUE --		--
g. Temperature (*winter*)	VALUE No Sample			VALUE --		VALUE --		0	°C		VALUE --		--
h. Temperature (*summer*)	VALUE No Sample			VALUE --		VALUE --		0	°C		VALUE --		--
i. pH	No Sample	No Sample		--	--			0	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'		3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
b. Chlorine, Total Residual		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
c. Color		x	No Sample	--	--	--	--	--	0	NTU	--	--	--	--
d. Fecal Coliform		x	No Sample	--	--	--	--	--	0	COL/100ml	--	--	--	--
e. Fluoride (16984-48-8)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
f. Nitrate - Nitrite (*as N*)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

ITEM V-B CONTINUED

OUTFALL NO. 104

1. Pollutant and CAS NO. (*If available*)	2. MARK 'X'		3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION														
g. Nitrogen, Total Organic (*as N*)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
h. Oil & Grease	x		10.00	0.10	10.00	0.10	< 5.00	< 0.00	23	PPM	LBS/DAY	--	--	--
i. Phosphorus (as P), Total (7723-14-0)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
j. Radioactivity														
(1) Alpha		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
(2) Beta		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
(3) Radium, Total		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
(4) Radium 226, Total		x	No Sample	--	--	--	--	--	0	pCi/L	--	--	--	--
k. Sulfate (*as SO_4*) (14808-79-8)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
l. Sulfide (*as S*)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
m. Sulfite (as SO_3) (14265-45-3)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
n. Surfacants		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
o. Aluminum, Total (7429-90-5)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
p. Barium Total (7440-39-3)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
q. Boron, Total (7440-42-8)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
r. Cobalt, Total (7440-48-4)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
s. Iron, Total (7439-89-6)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
t. Magnesium, Total (7439-95-4)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
u. Molybdenum, Total (7439-98-7)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
v. Manganese, Total (7439-96-5)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
w. Tin, Total (7440-31-5)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
x. Titanium, Total (7440-32-6)		x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NO.
110000341489	104

CONTINUED FROM PAGE V-2

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements

Part C.

1. Pollutant and CAS NO. *(if available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE (1) CONCENTRATION	a. MAXIMUM DAY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS	c. LONG TERM AVG. VALUE *(if available)* (1) CONCENTRATION	c. LONG TERM AVG. VALUE *(if available)* (2) MASS	d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE (1) CONCENTRATION	a. LONG TERM AVG. VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2M. Arsenic, Total (7440-38-2			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3M. Beryllium, Total (7440-41-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4M. Cadmium, Total (7440-43-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5M. Chromium, Total (7440-47-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6M. Copper, Total (7440-50-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7M. Lead, Total (7439-92-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8M. Mercury, Total (7439-97-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9M. Nickel, Total (7440-02-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10M. Selenium, Total (7782-49-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11M. Silver, Total (7440-22-4			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12M. Thallium, Total (7440-28-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13M. Zinc, Total (7440-66-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
14M. Cyanide, Total (57-12-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
15M. Phenols, Total			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P Dioxin (1764-01-6)			x	DESCRIBE RESULTS No Sample											

CONTINUED FROM PAGE V-3

OUTFALL NO. 104

1. Pollutant and CAS NO. (*If available*)	2. MARK 'X'			3. EFFLUENT						4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2V. Acrylonitrile (107-13-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3V. Benzene (71-43-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4V. Bis (Chloromethyl) Ether (542-88-1)				Not Required	--	Not Required	--	Not Required	--	--	--	--	--	--	--
5V. Bromoform (75-25-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6V. Carbon Tetrachloride (56-23-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7V. Chlorobenzene (108-90-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8V. Chlorodibromomethane (124-48-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9V. Chloroethane (75-00-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10V. 2-Chloroethylvinyl Ether (110-75-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11V. Chloroform (67-66-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12V. Dichlorobromomethane (75-27-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13V. Dichlorodifluoromethane (75-71-8)				Not Required	--	Not Required		Not Required	--	--	--	--	--	--	--
14V. 1,1-Dichloroethane (75-34-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
15V. 1,2-Dichloroethane (107-06-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
16V. 1,1-Dichloroethylene (75-35-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
17V. 1,2-Dichloropropane (78-87-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
18V. 1,3-Dichloropropylene (542-75-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
19V. Ethylbenzene (100-41-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
20V. Methyl Bromide (74-83-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
21V. Methyl Chloride (74-87-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-4

OUTFALL NO. 104

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS *(continued)*															
22V. Methylene Chloride (75-09-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
24V. Tetrachloroethylene (127-18-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
25V. Toluene (108-88-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
26V. 1,2-Trans-Dichloroethylene (156-60-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
27V. 1,1,1-Trichloroethane (71-55-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
28V. 1,1,2-Trichloroethane (79-00-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
29V Trichloroethylene (79-01-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
30V. Trichlorofluoromethane (75-69-4)				Not Required	--	Not Required	--	Not Required	--	--	--	--	--	--	--
31V. Vinyl Chloride (75-01-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2A. 2,4-Dichlorophenol (120-83-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3A. 2,4-Dimethylphenol (105-67-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4A. 4,6-Dinitro-OCresol (534-52-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5A. 2,4-Dinitrophenol (51-28-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6A. 2-Nitrophenol (88-75-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7A. 4-Nitrophenol (100-02-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8A. P-Chloro-MCresol (59-50-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9A. Pentachlorophenol (87-86-5			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10A. Phenol (108-95-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11A. 2,4,6-Trichlorophenol (88-05-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-5

OUTFALL NO. 104

1. Pollutant and CAS NO. (If available)	2. MARK 'X'			3. EFFLUENT						d. No. OF ANALYSES	4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)			a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2B. Acenaphtylen (208-96-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3B. Anthracene (120-12-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4B. Benzidine (92-87-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5B. Benzo (a) Anthracene (56-55-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6B. Benzo (a) Pyrene (50-32-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7B. 3,4-Benzofluoranthene (205-99-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8B. Benzo (ghi) Perylene (191-24-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9B. Benzo (k) Fluoranthene (207-08-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11B. Bis (2-Chloroethyl) Ether (111-44-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
14B. 4-BromophenylPhenyl Ether (101-55-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
15B. Butyl Benzyl Phthalate (85-68-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
16B. 2-Chloronaphthalene (91-58-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
18B. Chrysene (218-01-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
19B. Dibenzo (a,h) Anthracene (53-70-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
20B. 1,2-Dichlorobenzene (95-50-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
21B. 1,3-Di-chlorobenzene (541-73-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-6

OUTFALL NO. 104

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
23B. 3,3-Dichlorobenzidine (91-94-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
24B. Diethyl Phthalate (84-66-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
25B. Dimethyl Phthalate (131-11-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
26B. Di-N-Butyl Phthalate (84-74-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
27B. 2,4-Dinitrotoluene (121-14-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
28B. 2,6-Dinitrotoluene (606-20-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
29B. Di-N-Octyl Phthalate (117-84-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
30B. 1,2-Diphenylhydrazine (as *Azobenzene*) (122-66-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
31B. Fluoranthene (206-44-0)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
32B. Fluorene (86-73-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
33B. Hexachlorobenzene (118-74-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
34B. Hexachlorobutadiene (87-68-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
35B. Hexachlorocyclopentadiene (77-47-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
36B Hexachloroethane (67-72-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
38B. Isophorone (78-59-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
39B. Naphthalene (91-20-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
40B. Nitrobenzene (98-95-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
41B. N-Nitrosodimethylamine (62-75-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
42B. N-Nitrosodi- N-Propylamine (621-64-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-7

OUTFALL NO. 104

1. Pollutant and CAS NO. (*If available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*If available*)		c. LONG TERM AVG. VALUE (*If available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
44B. Phenanthrene (85-01-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
45B. Pyrene (129-00-0			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
46B. 1,2,4-Trichlorobenzene (120-82-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
GS/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
2P. α-BHC (319-84-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
3P. β-BHC (319-85-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
4P. γ-BHC (58-89-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
5P. δ-BHC (319-86-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
6P. Chlordane (57-74-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
7P. 4,4'-DDT (50-29-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
8P. 4,4'-DDE (72-55-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
9P. 4,4'-DDD (72-54-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
10P. Dieldrin (60-57-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
11P. α-Enosulfan (115-29-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
12P. β-Endosulfan (115-29-7)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
13P. Endosulfan Sulfate (1031-07-8)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
14P. Endrin (72-20-8			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
Aldehyde (7421-93-4)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
16P. Heptachlor (76-44-8			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

CONTINUED FROM PAGE V-8

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GS/MS FRACTION - PESTICIDES *(continued)*															
17P. Heptachlor Epoxide (1024-57-3)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
18P. PCB-1242 (53469-21-9)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
19P. PCB-1254 (11097-69-1)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
20P. PCB-1221 (11104-28-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
21P. PCB-1232 (11141-16-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
22P. PCB-1248 (12672-29-6)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
23P. PCB-1260 (11096-82-5)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
24P. PCB-1016 (12674-11-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--
25P. Toxaphene (8001-35-2)			x	No Sample	--	--	--	--	--	0	PPM	LBS/DAY	--	--	--

EPA Form 2F

Please print or type in the unshaded areas	EPA ID Number *(copy from item I of Form 1)* ***VA0000125211***	Form Approved. OMB No. 2040-0086

Form **2F** NPDES

United States Environmental Protection Agency
Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number *(list)*	B. Latitude			C. Longitude			D. Receiving Water *(name)*
901	***38***	***07***	***27***	***78***	***12***	***13***	***Emergency Storm Water Discharge Via Outfall 001 from Holding Pond to South Anna River***

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
Not Applicable					

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structure control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each are not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility. ***See Attachment A***

 Continued on Page 2

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
901	***~ 4.66 acres***	***~ 5.83 acres***			

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

No significant materials are currently stored, treated, or disposed (or have been in the past three years) in a manner to allow exposure to storm water. See Section 4 of the SWPPP in Attachment D for chemical usage and storage information.

An herbicide (i.e. weed killer) is applied (hand sprayed) for weed control around the perimeter of the station (outside the internal road ring) by a licensed contractor. The herbicide is typically applied twice per year. The typical herbicide applied is a dilute mixture of water and the herbicide. Other pesticides, herbicides, soil conditioners and fertilizers are not regularly applied.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
901	**Discharge from outfall 901 is emergency overflow from the stormwater retention basin. Treatment referenced in Form 2C for outfall 001 applies. See SWPPP in Attachment D for additional information.**	***4-A, 1-O, 1-U, 2-E, 2-K***

V. Non Stormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall. **See Addendum to Form 2F**

Name of Official Title *(type or print)*	Signature	Date Signed
C.D. Holley, VP Fossil & Hydro System Operations		7/6/2012

B. provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

A dry weather evaluation was conducted on April 10, 2012.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

There have been no significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years.

 Continued on Page 3

EPA ID Number *(copy from Item I of Form 1)*
VA0000125211

VII. Discharge Information

A,B,C, & D: See instruction before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables Vii-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2. **Outfall 901 did not discharge during the permit term and therefore no testing was conducted. Discharge water quality is anticipated to be consistent with outfall 001. See Form 2F Addendum and Attachment C.**

E. Potential discharges not covered by analysis - is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☒ Yes *(list all such pollutants below)* ☐ No *(go to Section IX)*

See Section 4 of the SWPPP in Attachment D for chemical usage and storage information.

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes *(list all such pollutants below)* ☒ No *(go to Section IX)*

No biological testing has been conducted for outfall 901. Biological testing associated with process water discharges is addressed in Form 2C.

IX. Contact analysis Information

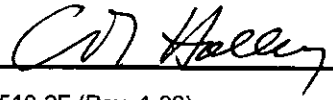
Were any of the analysis reported in item VII performed by a contact laboratory or consulting firm?

☐ Yes *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☒ No *(go to Section X)*

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title *(type or print)*	B. Area Code and Phone No.
C. D. Holley VP Fossil & Hydro System Operations	**804-273-3592**
C. Signature 	D. Date Signed **7/6/2012**

EPA ID Number *(copy from Item I of Form 1)*

Form Approved. OMB No. 2040-0086

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. ***No testing Conducted. See Form 2F Addendum.***

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements. ***No testing Conducted. See Form 2F Addendum.***

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall. ***No testing Conducted. See Form 2F Addendum.***

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*

6. Provide a description of the method of flow measurement or estimate.

VPDES Application Addendum

VPDES Permit Application Addendum

1. **Entity to whom the permit is to be issued**: Virginia Electric & Power Company
Who will be legally responsible for the wastewater treatment facilities and compliance with the permit? This may or may not be the facility or property owner.

2. **Is this facility located within city or town boundaries?** No

3. **What is the tax map parcel number for the land where this facility is located?** Parcel 9, 2

4. **For the facility to be covered by this permit, how many acres will be disturbed during the next five years due to new construction activities?** No new construction activities resulting in land disturbance are planned at this time.

5. ALL FACILITIES: **What is the design average flow of this facility?** 0.05 MGD(1)
Industrial facilities: **What is the max. 30-day avg. production level (include units)?** 0.10 MGD(2)
(1) Average flow from outfall 001 based on data generated January 2009-December 2011.
(2) Maximum 30-day average flow based on data generated January 2009-December 2011.
In addition to the above design flow or production level, should the permit be written with limits for any other discharge flow tiers or production levels? No

If Yes, please specify the other flow tiers (in MGD) or production levels: n/a
Please consider: Is your facility's design flow considerably greater than your current flow? Do you plan to expand operations during the next five years?

6. **Nature of operations generating wastewater**: Steam cycle boiler blowdown, Oily water separator discharge, Demineralizer Water and Stormwater.

0% of flow from domestic connections/sources
Number of private residences to be served by the wastewater treatment facilities: X 0 __ 1-49 __ 50 or more

100% of flow from non-domestic connections/sources

7. **Mode of discharge**: _Continuous X Intermittent __Seasonal
Describe frequency and duration of intermittent or seasonal discharges: Discharges are related to the generation of electricity and the amount of rainfall received. As discussed in Form 2C, outfall 001 discharges approximately 248 days per year, 12 months out of the year.

8. **Identify the characteristics of the receiving stream at the point just above the facility's discharge point:**
X Permanent stream, never dry
__Intermittent stream, usually flowing, sometimes dry
__ Ephemeral stream, wet-weather flow, often dry
__ Effluent-dependent stream, usually or always dry
__ Lake or pond at or below the discharge point
__ Other:_____

9. **Approval Date(s)**:
O & M Manual June 9, 2011
Sludge/Solids Management Plan N/A
Have there been any changes in your operations or procedures since the above approval dates? No

Dominion Form 1, Form 2C and Form 2F Addendum

ADDENDUM TO Form 1, Form 2C and Form 2F
2012 VPDES PERMIT RENEWAL APPLICATION
GORDONSVILLE POWER STATION

Form 1, Part II.E

The Gordonsville Power Station ("Station") may temporarily store hazardous wastes for short periods in an accumulation area located in the Hazmat Storage Building. However, hazardous wastes, if any, are stored in exempt quantities and/or will not be stored on-site for more than 90 days. The normal generator status for the Station is conditionally exempt, small quantity generator.

Form 1, Part VIII

The Gordonsville Power Station is owned by Virginia Electric and Power Company and operated by Dominion Generation. The parent company of Virginia Electric and Power Company is Dominion Resources, Inc.

Form 1, Part X

All Virginia air pollution related permits are issued under Registration No. 40808. The Station currently holds a Title V permit.

Form 1, Part XI

The attached topographic map (included in Attachment A), entitled *Site Vicinity Map*, shows the location of the Gordonsville Power Station and the surrounding area, including the South Anna River and other surface water bodies in the area. The Station does not have underground injection wells, drinking water wells, or hazardous waste management facilities, except a temporary accumulation area located in the Hazmat Storage Building. The Station also does not have any intake structures other than an intake (used for emergency purposes only) at the Gordonsville Quarry. Virginia Water Protection (VWP) Permit No. 91-1631 authorizes water withdrawal from this intake structure. The location of the Gordonsville Quarry is shown on the *Site Vicinity Map*.

To supplement the *Site Vicinity Map*, a *Facility Site Plan* is included in Attachment A. This plan shows the Station's property boundary and the location of Outfall 001 that discharges to the South Anna River.

Form 1, Part XIII

C.D. Holley, Vice President, is the signatory for the application. However, please contact Jason Ericson at 804-273-3485 if questions arise or additional information is needed regarding this application.

Form 2C, General

The flows and DMR data for outfalls 001 and 101 are reported based on data from January 2009 through February 2011.

The flows and DMR data for outfalls 103 and 104 are reported based on data from May 2010 through April 2012. Outfalls 103 and 104 officially replaced Outfall 102 in the February 2011 permit modification. Data for the period May 2010 through January 2011 is data collected from Outfall 102A (103) and 102B (104). This information was combined and reported as Outfall 102 as explained in the DMR cover letter starting with the May 2010 discharge monitoring report (DMR). This change in the oily drain system was explained in the Notice of Planned Change letter dated November 4, 2009. Data for February 2011 through April 2012 is from DMRs for March through December 2011 as outfalls 103 and 104.

Form 2C, Part II.A

A Water Flow Diagram illustrating water flow at the Station is provided in Attachment B. The Water Flow Diagram is consistent with the diagram included in the current Operations and Maintenance Manual. The diagram does not depict water input from precipitation or provide values for steam or evaporative losses.

The values provided on the line diagram are average flows determined from actual monitoring data as discussed above. The line diagram reflects flow pathways as of June 2012.

Form 2C, Part II.B

Outfall 001 is the only external discharge from the Gordonsville Power Station to surface water. Outfall 001 discharges from the Waste Water Treatment Facility's Retention Pond (WWTFRP) to the South Anna River. Wastewater is generated by three main sources: 1) steam cycle boiler blowdown, which is routed through a cooling system prior to discharge to the holding pond; 2) discharge from the oily water separators (outfalls 103 and 104); and 3) periodic discharge of high purity water from the water demineralizer. All generated wastewater flows to the WWTFRP onsite and then mixes with general storm water runoff prior to discharging to the South Anna River (via Outfall 001). Flow rates are highly dependent on rainfall and the variability of the days/hours of operation is dependent upon power demand. The average flow reported in this application reflects the average flow from Outfall 001 over the period 2009-2011.

The VPDES Permit Modification dated February 18, 2011 incorporated the results of a Water Effects Ration (WER) streamlined study and a *Chemical Translator and Instream Hardness Report* to address the facility's copper limit. The permit modification removed the copper limit from outfall 001. Dominion requests the results of these studies be considered in the permit reissuance.

Outfall 101 is an internal discharge to the holding pond that consists of boiler blowdown from the steam cycle portion of the power generation process, as well as the periodic discharge of high purity water from the station's water demineralizer. The discharge from Outfall 101 is classified as a low volume waste source.

Outfall 103 is an internal discharge to the WWTFRP that consists of the discharge from the Unit 1 Oil Water Separator. Sources include the Unit 1 wastewater sump, diesel fuel containment, fuel unloading area runoff, steam turbine oily water drains, combustion turbine oily water drains, silica analyzer drains, water injection skid, vacuum pump seals, boil feed pumps, false start drains, diesel fire pump seal leakage and drains. The discharge from Outfall 103 is also classified as a low volume waste source.

Outfall 104 is an internal discharge to the retention basin pond that consists of the discharge from the Unit 2 Oil Water Separator. Sources include the Unit 2 wastewater sump, steam turbine oily water drains, combustion turbine oily water drains, water injection skid, vacuum pump seals, boil feed pumps, and false start drains. The discharge from Outfall 104 is also classified as a low volume waste source.

Form 2C, Part II.C

Discharges from Outfalls 001, 101 and 104 are intermittent in nature. Steam cycle boiler blowdown, storm water runoff, and other activities are related to the generation of electricity and the amount of rainfall received. The plant operation is dependent upon power demand. Dominion anticipates operating the station approximately 85% of the time (capacity factor) during the permit term. Outfall 103 discharges continuously, however, when the station is not operating the discharge is comprised entirely of flow from the silica analyzer (~70 gallons per day).

- Flow frequencies in Part II.C for Outfall 001 are based on an 85% capacity factor and station procedures that specify that Outfall 001 does not discharge more than four days in a row.
- Flow frequencies in Part II.C for Outfall 101 are based on an 85% capacity factor.
- Flow frequencies in Part II.C for Outfall 103 are based on the fact that the silica analyzer discharges continuously. Flows are substantially higher during station operation.
- Flow frequencies in Part II.C for Outfall 104 are based on an 85% capacity factor.

Form 2C, Parts V.A, B, & C

The values are based on Discharge Monitoring Report (DMR) data for each outfall collected over periods discussed above, Attachment A samples collected on April 20, 2011 for Outfall 001 and supplemental samples collected on May 10, 2012 for outfall 001. The final page of the Form 2C effluent characteristics data, *Outfall No. 001, additional data*, provides data not required by the standard Form 2C. Sampling was conducted in accordance with the *Permit Reissuance Application Data Generation Plan and Waivers Request* dated May 29, 2012 and DEQ's response letter dated June 8, 2012 (Attachment C). The monitoring data for all current internal and external discharges reported on DMRs, as well as the Attachment A sampling and supplemental sampling results, are summarized and reported in Section V of Form 2C. In addition, a copy of the laboratory data sheets from the April 20, 2011 and May 10, 2012 sampling events for Outfall 001 are provided in Attachment C.

The analysis for surfactants for Outfall 001 was conducted outside of the method holding time. No surfactants were detected. The result was discussed with DEQ staff (Susan Mackert) on June 6, 2012 and no additional testing is planned at this time.

Form 2C, Part V.D and Part VI

Several chemicals are used in minor and bulk quantities at the Gordonsville Power Station. A list of the bulk chemicals currently used at the station is included in Section 4 of the SWPPP included as Attachment D. Upon request, Material Safety Data Sheets can be provided for all the chemicals on the list. In addition to this list, the Gordonsville Power Station uses numerous chemicals to operate and maintain its equipment, vehicles, and facilities. Examples of these chemicals include lubricants, cleaners, detergents, polishes, waxes, cleaners, cutting oils, sanitizers, paints, solvents, and protectants. The majority of these chemicals are managed in small containers, but some are managed in larger quantities. It is conceivable that these chemicals and chemical types could appear in discharges from Gordonsville Power Station at very low concentrations.

Gordonsville Power Station occasionally uses fluorescein dye for leak detection purposes. The dye is not toxic to aquatic organisms. Dominion will provide written notice (fax, letter, or email) to DEQ prior to fluoroscein dye use so they are aware of the planned dye discharge and can adequately address any third party or citizen concerns.

Form 2F, General

Outfall 901 is the emergency storm water overflow discharge from the WWTFRP. Outfall 901 has not discharged during the current permit term. As discussed in the the *Permit Reissuance Application Data Generation Plan and Waivers Request* dated May 29, 2012, no data will be reported on Form 2F because no discharge has occurred.

Outfall 901 is the same as Outfall 001; however, for the purposes of storm event monitoring, Outfall 001 is designated as Outfall 901 in the existing VPDES permit. In reality, the discharge from Outfall 901 is not a storm water only discharge. The storm water mixes with wastewater in the holding pond prior to being discharged via Outfall 901/001. Furthermore, Dominion does not believe that a separate storm water outfall needs to be designated for the Gordonsville Power Station, since a storm water permit is not required for the storm water discharges from the station.

The Gordonsville Power Station is a 240 MW heat captured combined cycle generation facility, which consists of two, combined cycle, natural gas and oil fired combustion turbines. The original Multi-Sector General Permit (MSGP) for Storm Water Associated with Industrial Activities was published in the Federal Register on September 29, 1995. Section O of the Preamble to this regulation describes "Storm Water Discharges Associated with Industrial Activity from Steam Electric Power Generating Facilities, Including Coal Handling Areas" and addresses specific types of electric power generating facilities that are NOT covered under the definition of storm water discharge associated with industrial activity. The Preamble specifically states that "heat captured co-generation facilities are not covered under the definition of storm water discharge associated with industrial activity". The Notice for the NPDES MSGPs for Storm Water Discharges Associated with Industrial Activities was published in the Federal Register on October 30, 2000. Section 6.O.3 of this Notice covers Sector-Specific Requirements for Industrial Activity, Sector O - Steam Electric Generating Facilities - Limitations on Coverage. Section 6.O.3.2 covers *Prohibition of Storm Water Discharges* and addresses storm water discharges from ancillary facilities that are not covered by the MSGP. Section 6.O.3.2 specifically states that "gas turbine stations...that are not contiguous to a steam electric power generating facility" and "heat capture co-generation facilities" are not covered by the

NPDES MSGP for Storm Water Discharges Associated with Industrial Activity from Steam Electric Power Generating Facilities. This specific language is also included in the Proposed 2006 MSGP, Part 4, Sector O (Steam Electric Generating Facilities), Section O.3.2. In addition, the State of Virginia has incorporated this exclusion into the General Virginia Pollutant Discharge Elimination System (VPDES) Permit for Discharges of Storm Water Associated with Industrial Activity. 9 VAC 25-151-220, Sector O - Steam Electric Generating Facilities states: "Storm water discharges from ancillary facilities (e.g., fleet centers, gas turbine stations, and substations) that are not contiguous to a steam electric power generating facility are not covered by this permit. Heat capture/heat recovery combined cycle generation facilities are also not covered by this permit...". Therefore, these ancillary facilities (such as the Gordonsville Power Station) are specifically excluded from the definition of storm water discharge associated with industrial activity and, therefore, do not require coverage under a storm water discharge permit.

We request that all storm water requirements and Outfall 901 be removed from the VPDES permit for the Gordonsville Power Station.

Form 2F, Part V

The storm water Outfall 901 is the Emergency Overflow Discharge for the Waste Water Treatment Facility's Retention Pond (WWTFRP). The WWTFRP discharges via Outfall 001 under normal operating conditions. Outfall 001 is currently monitored in accordance with VPDES permit VA0087033 requirements. Since Outfall 001 is permitted as a waste water discharge, it is a "Non-Storm Water Discharge". Therefore normal Non-Storm Water Discharge Certification cannot be conducted for Outfall 901.

Permit Billing Information

AUTHORIZATION FOR PUBLIC NOTICE BILLING

TO

VPDES PERMIT APPLICANT

I hereby authorize the Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in the Charlottesville Daily Progress.

Authorizing Agent: Cathy C Taylor
Signature

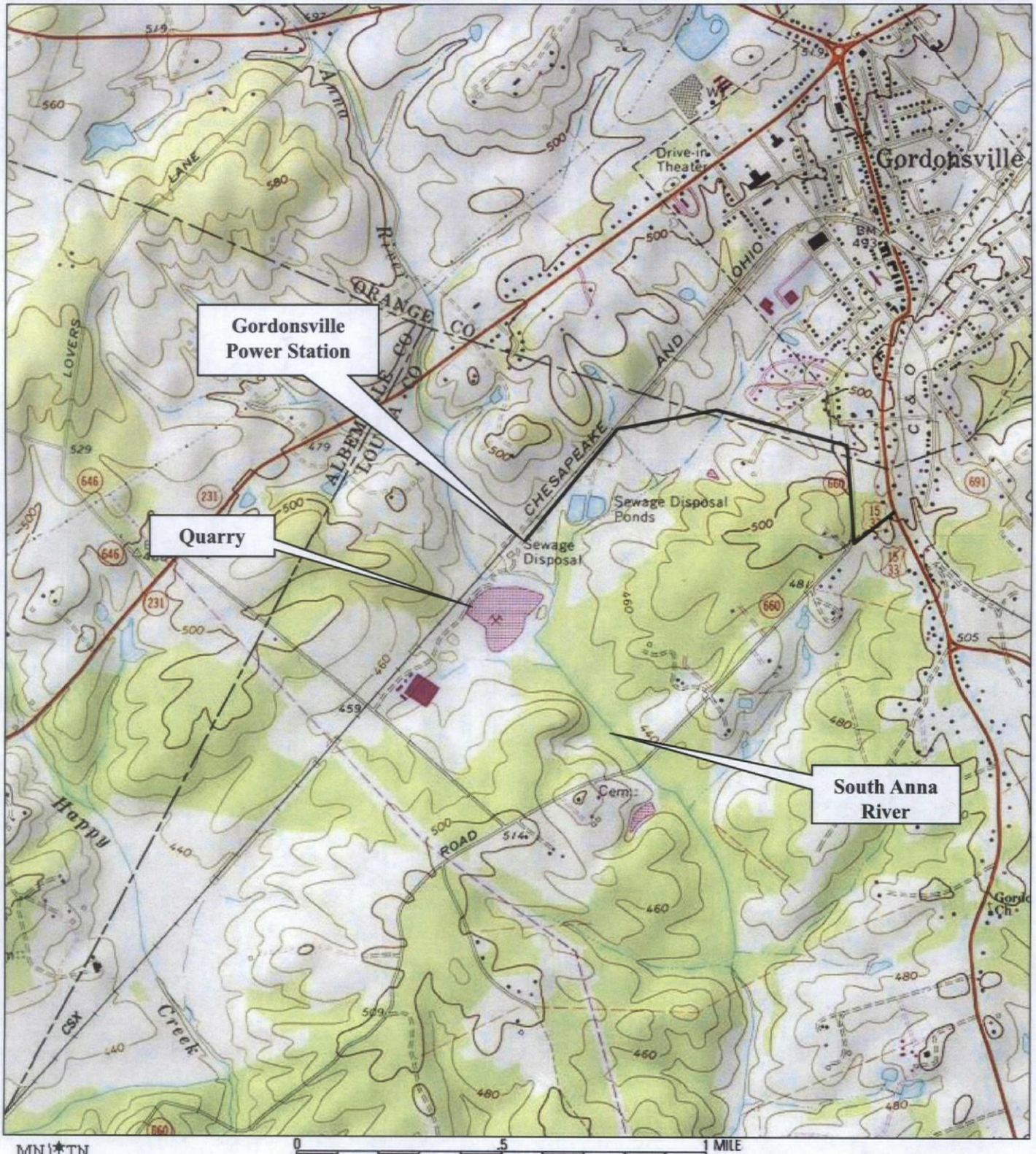
Applicant's Address: Cathy C. Taylor
Dominion
5000 Dominion Blvd.
Glen Allen, VA 23060

Telephone Number: (804) 273-2929

Permit No. VA0087033—Gordonsville Power Station
Attn: Susan Mackert

Attachment A

Site Vicinity Map, Facility Site Plan and Site Drainage Map



Source: USGS Boswells Tavern, VA Quad, 1987
TOPO! ©2000 National Geographic Holdings

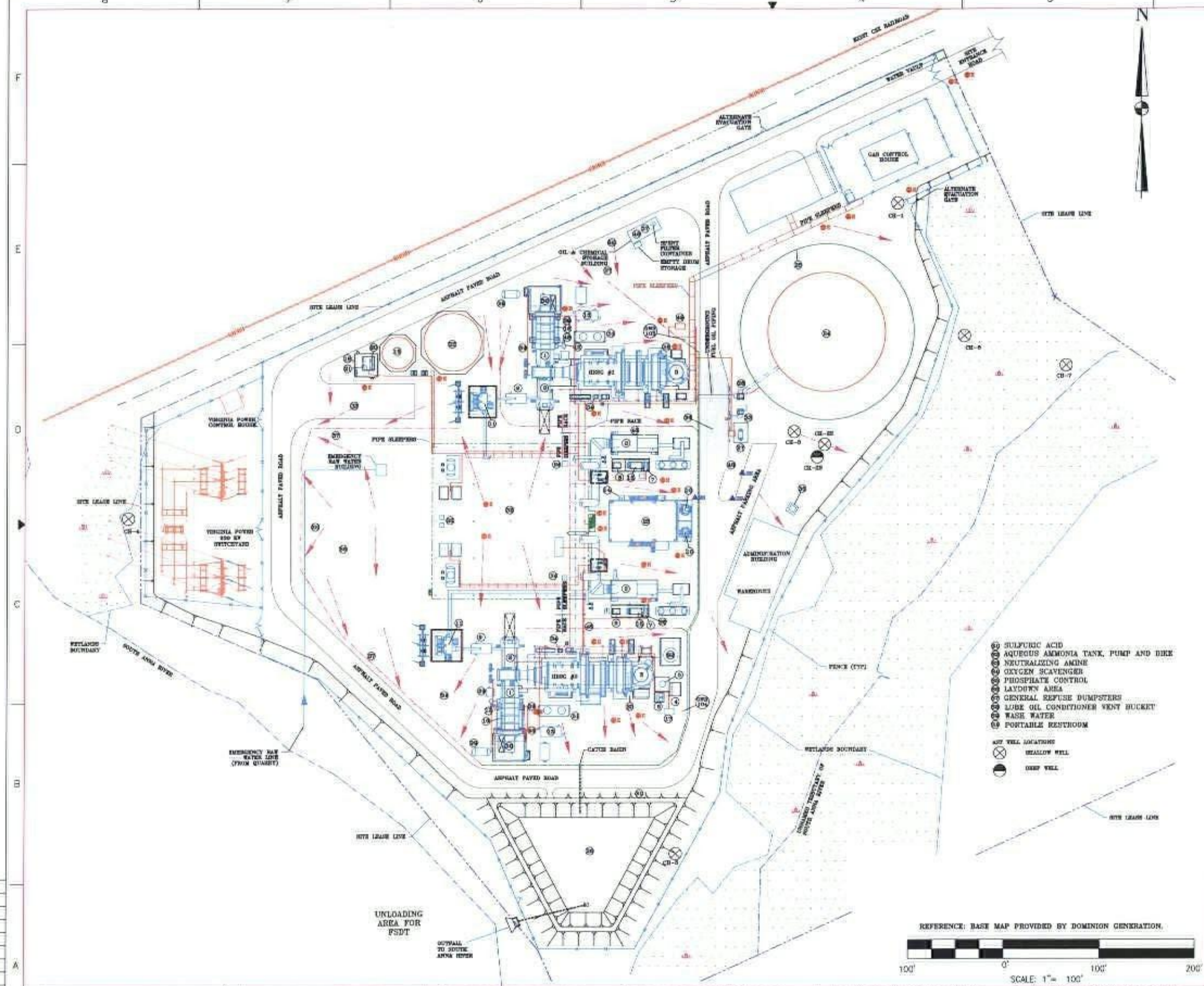
APPENDIX A

Site Vicinity Map

June 2012

Scale:
1" = 2,000'

Dominion Generation
Gordonsville Power Station
Gordonsville, Virginia



KEY

1. COMBUSTION TURBINE FRAME
2. GENERATOR
3. HRSG STACK (150'-0" HIGH)
4. AUX BOILER
5. AUX BOILER STACK
6. AUX BOILER BOILER FEED PUMP SKID
7. STEAM TURBINE LUBE OIL PURIFIER SKID
8. HYDRAULIC POWER UNIT (100 GALLON OIL TANK)
9. (GAC) GENERATOR AUXILIARIES COMPARTMENT
10. AUXILIARY TRANSFORMER
    NON-PCB MINERAL OIL CAPACITY = 1,325 GALLONS
    CONCRETE CURB SECONDARY CONTAINMENT
    (2,995 GALLON CAPACITY)
11. MAIN TRANSFORMER
    NON-PCB MINERAL OIL CAPACITY = 15,047 GALLONS
    CONCRETE CURB SECONDARY CONTAINMENT
    (16,705 GALLON CAPACITY)
12. LUBE OIL DEMISTER
13. WATER INJECTION SKID
14. CO2 FIRE PROTECTION SKID
15. 2,000 GALLON LUBE OIL TANK
    CONCRETE SECONDARY CONTAINMENT CURB
    (2,425 GALLON CAPACITY)
16. TURBINE LUBE OIL RESERVOIR (3,300 GALLONS)
    CONCRETE SECONDARY CONTAINMENT CURB
    (330 GALLON CAPACITY)
17. OWS2 – 2,000 GALLON CORRUGATED PLATE OIL/WATER SEPARATOR
    (800 GALLON OIL CAPACITY)
18. RAW WATER/FIRE PROTECTION TANK & PUMPS
    (300,000 GALS) 33'-0"ø x 48'-0" HIGH
19. FIRE PUMP HOUSE
20. DIESEL DRIVEN FIRE PUMP
21. DIESEL OIL TANK (330 GALLONS)
    CONCRETE CURB SECONDARY CONTAINMENT
    (330 GALLON CAPACITY)
22. DEMINERALIZED/MAKE-UP WATER TANK AND PUMPS
    (1,000,000 GALLONS) 80'-0"ø x 48'-0" HIGH
23. CONTROL/SWITCHGEAR BUILDING
24. No. 2 FUEL OIL STORAGE TANK (5,000,000 GALLONS)
    114'-0"ø x 56'-0" HIGH
25. FUEL OIL TANK STEEL DIKE (5,508,746 GALLONS)
    183'-0"ø x 28'-0" HIGH
26. STORM WATER RETENTION BASIN;
    (TOTAL CAPACITY=242,239 GAL; AVAILABLE CAPACITY=142,539 GAL.)
27. FOAM FIRE EQUIPMENT ENCLOSURE
28. FUEL OIL FORWARDING PUMPS
29. TURBINE UNDERGROUND FALSE START DRAIN TANK
    (2,500 GALLONS)
30. INLET AIR FILTER
31. COOLING WATER AIR COOLER
32. AIR COOLED CONDENSER
33. DEMINERALIZED WATER TRAILER
34. DUCT BURNER BOOSTER PUMPS
35. PERMANENT POWER TRANSFORMER
    NON-PCB MINERAL OIL CAPACITY = 841 GALLONS
    CONCRETE CURB SECONDARY CONTAINMENT
    (885 GALLON CAPACITY)
36. FUEL UNLOADING AREA
    CURBED AREA CONTAINS >6,000 GALLONS AS
    MEASURED BY FACILITY PERSONNEL
37. MOBILE EQUIPMENT FUEL TRANSFER TANK (55-GAL)
38. FIRE PUMP DIESEL FUEL TANK UNLOADING AREA
39. VEHICLE CLEANING AREA
40. SCRAP METAL DUMPSTERS
41. GENERAL MAITENANCE EQUIPMENT STORAGE AREA
42. OIL ABSORBENTS AND BARREL LOCATIONS
    (CHEMICAL STORAGE BUILDING CONTAINMENT= 3,987-GALLONS)
43. OWS1 – 1,500 GALLON SLANT RIB OIL/WATER SEPARATOR
    (54-GALLONS OIL CAPACITY)

44. SULFURIC ACID
45. AQUEOUS AMMONIA TANK, PUMP AND DIKE
46. NEUTRALIZING AMINE
47. OXYGEN SCAVENGER
48. PHOSPHATE CONTROL
49. LAYDOWN AREA
50. GENERAL REFUSE DUMPSTERS
51. LUBE OIL CONDITIONER VENT BUCKET
52. WASH WATER
53. PORTABLE RESTROOM

ANY WELL LOCATIONS
- SHALLOW WELL
- DEEP WELL

LEGEND

- CONCRETE STORM WATER DRAINAGE TRENCH TO STORM WATER RETENTION BASIN
- OILY WATER DRAIN LINE (ABOVE GROUND)
- OILY WATER DRAIN LINE (UNDERGROUND)
- UNDERGROUND STORM WATER DRAINAGE PIPING
- FUEL OIL PIPING
- APPROXIMATE EXTENT OF FUEL UNLOADING AREA
- STORM WATER DRAINAGE SWALE
- OVERLAND DRAINAGE FLOW DIRECTION
- E– ELECTRICAL UNDERGROUND ACCESS
- SD– STORM SEWER UNDERGROUND ACCESS

REFERENCE: BASE MAP PROVIDED BY DOMINION GENERATION.

100' 0' 100' 200'

SCALE: 1"= 100'

REV	DATE	DESCRIPTION
5	10/1/2011	REVISED PER ENVIRONMENTAL REDLINE. ADDED S7.
4	6/24/2011	REVISED PER ENVIRONMENTAL REDLINE. REVISION TO BASE DRAWING.
3	12/13/2010	REVISED PER ENVIRONMENTAL REDLINE.
2	6/24/2010	REVISED PER ENVIRONMENTAL REDLINE.
1	04/08/2010	REVISED PER ENVIRONMENTAL REDLINE.
6	04/15/2012	REVISED PER ENVIRONMENTAL REDLINE.

DOMINION ENERGY®

FOSSIL & HYDRO TECHNICAL SERVICES
RICHMOND, VIRGINIA

SITE PLAN
STORM WATER EXPOSURES

GORDONSVILLE POWER STATION

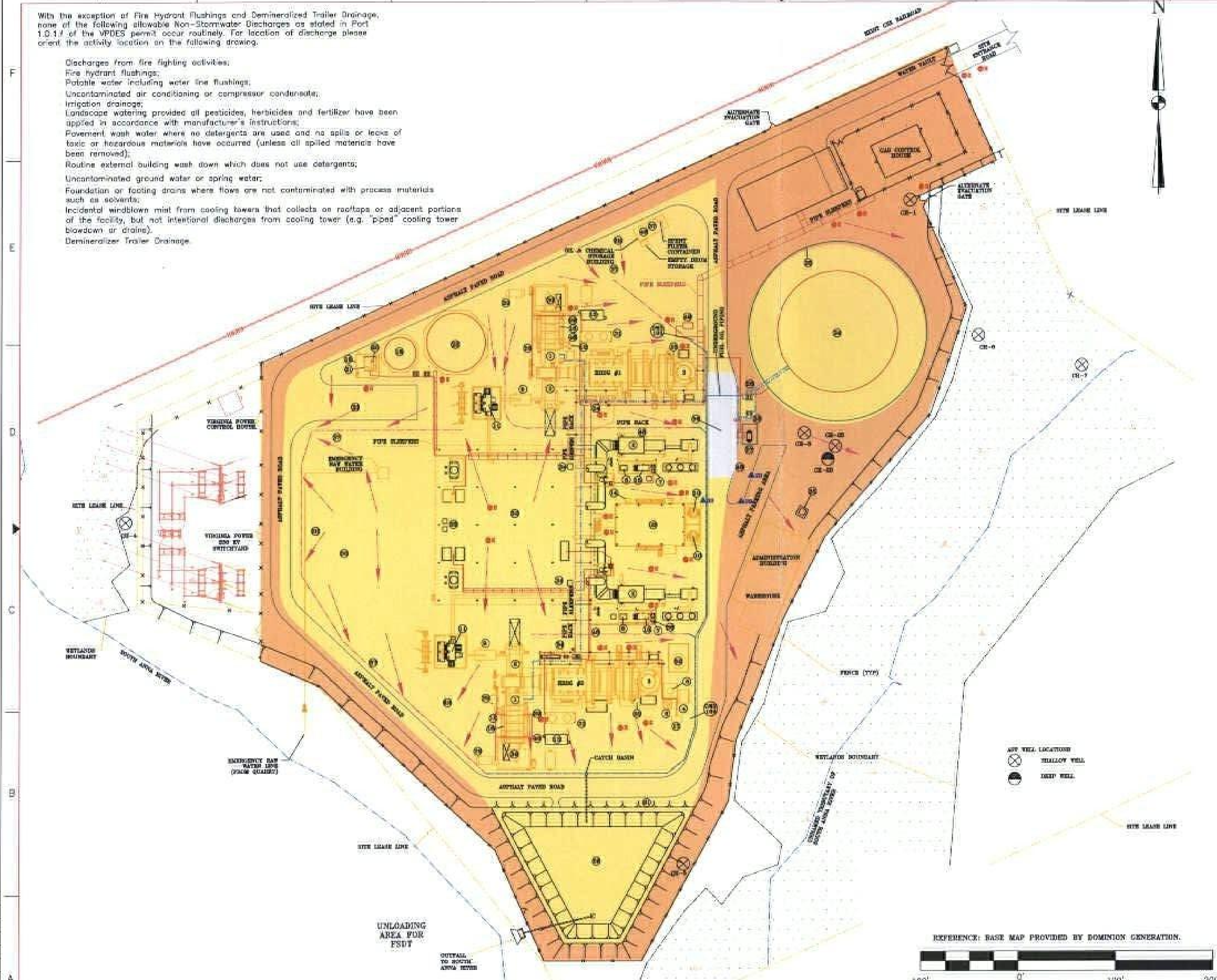
DSGN	------	DSGN SUPV	------
DRWN	SWC	ENGR SUPV	------
CHKD	RAW	PROJ ENGR	------
DSGN MGR	------	SCALE: 1" = 40'	UNLESS OTHERWISE NOTED

DRAWING NUMBER: GV-0-SP-STA-621 REV: 6

SH 1 OF 1

With the exception of Fire Hydrant Flushings and Demineralized Trailer Drainage, none of the following allowable Non-Stormwater Discharges as stated in Part 1.D.1.f of the VPDES permit occur routinely. For location of discharge please orient the activity location on the following drawing.

- Discharges from fire fighting activities;
- Fire hydrant flushings;
- Potable water including water line flushings;
- Uncontaminated air conditioning or compressor condensate;
- Irrigation drainage;
- Landscape watering provided all pesticides, herbicides and fertilizer have been applied in accordance with manufacturer's instructions;
- Pavement wash water where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled materials have been removed);
- Routine external building wash down which does not use detergents;
- Uncontaminated ground water or spring water;
- Foundation or footing drains where flows are not contaminated with process materials such as solvents;
- Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from cooling tower (e.g. "piped" cooling tower blowdown or drains).
- Demineralizer Trailer Drainage.



KEY

1. COMBUSTION TURBINE FRAME
2. GENERATOR
3. HRSG STACK (150'-0" HIGH)
4. AUX BOILER
5. AUX BOILER STACK
6. AUX BOILER BOILER FEED PUMP SKID
7. STEAM TURBINE LUBE OIL PURIFIER SKID
8. HYDRAULIC POWER UNIT (100 GALLON OIL TANK)
9. (GAC) GENERATOR AUXILIARIES COMPARTMENT
10. AUXILIARY TRANSFORMER
    NON-PCB MINERAL OIL CAPACITY = 1,325 GALLONS
    CONCRETE CURB SECONDARY CONTAINMENT
    (2,998 GALLON CAPACITY)
11. MAIN TRANSFORMER
    NON-PCB MINERAL OIL CAPACITY = 15,047 GALLONS
    CONCRETE CURB SECONDARY CONTAINMENT
    (16,702 GALLON CAPACITY)
12. LUBE OIL DEMISTER
13. WATER INJECTION SKID
14. CO2 FIRE PROTECTION SKID
15. 2,000 GALLON LUBE OIL TANK
    CONCRETE SECONDARY CONTAINMENT CURB
    (2,425 GALLON CAPACITY)
16. TURBINE LUBE OIL RESERVOIR (3,300 GALLONS)
    CONCRETE SECONDARY CONTAINMENT CURB
    (330 GALLON CAPACITY)
17. OWS2 - 2,000 GALLON CORRUGATED PLATE OIL/WATER SEPARATOR
    (800 GALLON OIL CAPACITY)
18. RAW WATER/FIRE PROTECTION TANK & PUMPS
    (300,000 GALS) 33'-0"ø x 48'-0" HIGH
19. FIRE PUMP HOUSE
20. DIESEL DRIVEN FIRE PUMP
21. DIESEL OIL TANK (200 GALLONS)
    CONCRETE CURB SECONDARY CONTAINMENT
    (330 GALLON CAPACITY)
22. DEMINERALIZED/MAKE-UP WATER TANK AND PUMPS
    (1,000,000 GALLONS) 60'-0"ø x 48'-0" HIGH
23. CONTROL/SWITCHGEAR BUILDING
24. No. 2 FUEL OIL STORAGE TANK (5,000,000 GALLONS)
    124'-0"ø x 56'-0" HIGH
25. FUEL OIL TANK STEEL DIKE (5,506,748 GALLONS)
    183'-0"ø x 28'-0" HIGH
26. STORM WATER RETENTION BASIN;
    (TOTAL CAPACITY=242,239 GAL; AVAILABLE CAPACITY=142,539 GAL.)
27. FOAM FIRE EQUIPMENT ENCLOSURE
28. FUEL OIL FORWARDING PUMPS
29. TURBINE UNDERGROUND FALSE START DRAIN TANK
    (3,000 GALLONS)
30. INLET AIR FILTER
31. COOLING WATER AIR COOLER
32. AIR COOLED CONDENSER
33. DEMINERALIZED WATER TRAILER
34. DUCT BURNER BOOSTER PUMPS
35. PERMANENT POWER TRANSFORMER
    NON-PCB MINERAL OIL CAPACITY = 641 GALLONS
    CONCRETE CURB SECONDARY CONTAINMENT
    (885 GALLON CAPACITY)
36. FUEL UNLOADING AREA
    CURBED AREA CONTAINS >6,000 GALLONS AS
    MEASURED BY FACILITY PERSONNEL
37. MOBILE EQUIPMENT FUEL TRANSFER TANK (55-GAL)
38.
39.
40.
41. FIRE PUMP DIESEL FUEL TANK UNLOADING AREA
42. VEHICLE CLEANING AREA
43.
44. SCRAP METAL DUMPSTERS
45.
46. GENERAL MAINTENANCE EQUIPMENT STORAGE AREA
47.
48. OIL ABSORBENTS AND BARREL LOCATIONS
    (CHEMICAL STORAGE BUILDING CONTAINMENT= 3,087-GALLONS)
49. OWS1 - 1,500 GALLON SLANT RIB OIL/WATER SEPARATOR
    (84 GALLONS OIL CAPACITY)

LEGEND

- CONCRETE STORM WATER DRAINAGE TRENCH TO STORM WATER RETENTION BASIN
- OILY WATER DRAIN LINE (ABOVE GROUND)
- OILY WATER DRAIN LINE (UNDERGROUND)
- UNDERGROUND STORM WATER DRAINAGE PIPING
- FUEL OIL PIPING
- APPROXIMATE EXTENT OF FUEL UNLOADING AREA
- STORM WATER DRAINAGE SWALE
- OVERLAND DRAINAGE FLOW DIRECTION
- E- ELECTRICAL UNDERGROUND ACCESS
- SS- STORM SEWER UNDERGROUND ACCESS
- DRAINAGE AREA FOR VPDES Approximately 5.85 Acres & 80% Impervious. OUTFALL 001, 101, 102, 104 AND 991
- DRAINAGE AREA FOR SHEETFLOW Approximately 1.36 Acres & 30% Impervious

DOMINION ENERGY

FOSSIL & HYDRO TECHNICAL SERVICES
RICHMOND, VIRGINIA

SITE PLAN
STORM WATER EXPOSURES

GORDONSVILLE POWER STATION

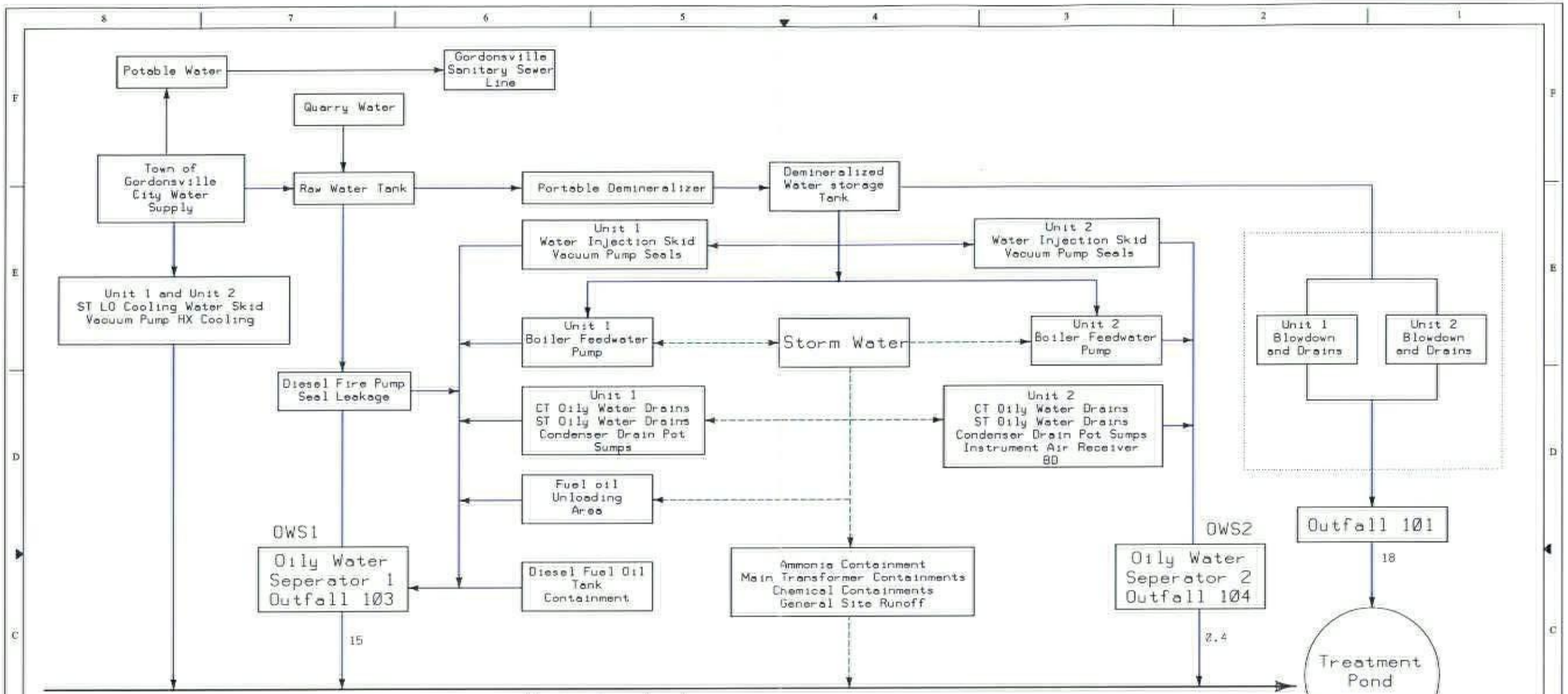
REV	DATE	DESCRIPTION
5	10/17/2011	REVISED PER ENVIRONMANTAL REDLINE
4	6/24/2011	REVISED PER ENVIRONMENTAL REDLINE. MODIFIED SHEETFLOW AREA.
3	2/7/2011	REVISED PER ENVIRONMENTAL REDLINE.
2	6/24/2010	REVISED PER ENVIRONMENTAL REDLINE.
7	6/18/2012	REVISED PER ENVIRONMENTAL REDLINE. MODIFIED OUTFALLS NUMBERS IN LEGEND, REMOVED 102, ADDED 103 & 104
6	3/16/2012	REVISED TO REFLECT REVISIONS TO GV-0-SP-SPA-816.

DSGN	------	DSGN SUPV	------
DRWN	SWC	ENGR SUPV	------
CHKD	RAW	PROJ ENGR	------
DFSPL CHKR	------	SCALE	1" = 40'

DRAWING NUMBER: GV-0-SP-STA-622 | REV: 7
UNLESS OTHERWISE NOTED | SH 1 OF 1

Attachment B

Water Flow Diagram



NOTES:

1. FLOWS ARE BASED ON AVERAGE FLOWS OVER THE PAST THREE YEARS.
2. FLOWS ARE GIVEN IN THOUSANDS OF GALLONS PER DAY.

Legend:

——— Industrial Flow

- - - - - - - - Storm Water

ORIGINAL ISSUE FOR SUBMITTAL TO VDEQ AS PART OF APPLICATION TO RENEW VPDES PERMIT. 02-27-07

THIS DWG. VOIDS & SUPERSEDES GV-VPDES VARIANCE 00

1	REDRAWN PER ENVIRONMENTAL REDLINE	KCC/DPS/BWC
0	ISSUE PER ENVIRONMENTAL REDLINE. CONVERTED TO AUTOCAD	KCC/RAW/BWC

DOMINION ENERGY

FOSSIL & HYDRO TECHNICAL SERVICES
RICHMOND, VIRGINIA

ONE LINE DIAGRAM
WATER FLOW DIAGRAM

GORDONSVILLE POWER STATION

DRAWING NUMBER: GV-0-SP-STA-600 REV: 1

SCALE: 1" = 40' UNLESS OTHERWISE NOTED SH: 1 OF 1

Attachment C

Effluent Sampling Documents

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com

Dominion®

May 29, 2012

Certified Mail
Return Receipt Requested

Ms. Susan Mackert
DEQ-Northern Regional Office
13901 Crown Court
Woodbridge, VA 22193

RE: Dominion Gordonsville Power Station
VPDES Permit No. VA0087033
Permit Reissuance Application Data Generation Plan and Waivers Request

Dear Ms. Mackert:

Dominion is preparing an application to renew the Gordonsville Power Station's VPDES permit (VA0087033). This current permit expires on January 30, 2013. In accordance with the requirements as we understand them, we have developed the attached effluent data generation plan that describes how we intend to generate the effluent data needed to complete the application. Also included are requests for waivers from default testing and sampling requirements as allowed by EPA Form 2C.

Dominion appreciates this opportunity to review these requirements and coordinate our sampling plan with your agency. If you have any questions, please contact Jason Ericson at (804) 273-3485.

Sincerely,

Cathy C. Taylor

Cathy C. Taylor
Director, Electric Environmental Services

Attachment

Gordonsville Power Station PermitVA0087033
Permit Application Effluent Data Generation Plan and Requested Waivers

Outfall	EPA Form	Parameters	Data Source To Be Used	Waiver Requested
001 – Retention Pond, Industrial Wastewater and Stormwater[1]	2C – Part A	Flow, pH, Temperature	DMRs	NA
		Remaining Part A Parameters	Field sampling - Grab	Grab to replace 24 hour composite
	2C – Part B	TRC	DMRs	NA
		Sulfite, Radium, Radium 226	Believed absent	No testing
		Remaining Part B Parameters	Field sampling - Grab	Grab to replace 24 hour composite
	2C – Part C	Dioxin	Believed absent	No testing
		Remaining Part C Parameters	Field sampling - Grab	Grab to replace 24 hour composite
	VA – WQS	Uranium, H_2S, Nitrate N, Chlorides, TDS, Pesticides / PCBs	Field sampling – Grab	Grab to replace 24 hour composite
	Others	TPH,	DMRs	--

1. We plan to report analytical data from three years of discharge monitoring reports (2009-2011) for the parameters currently monitored through the VPDES permit.

Outfall	EPA Form	Parameters	Data Source To Be Used	Waiver Requested
101 – Boiler Blowdown[1]	2C – Part A	Flow,TSS	DMRs	NA
Existing DMR data will be submitted for Form 2C parameters. No additional testing will be performed as this is an internal outfall to 001.	2C – Part B	Oil and Grease	DMRs	NA
	2C – Part C	NA	NA	NA
	VA – WQS	NA	NA	NA

1. We plan to report analytical data from three years of discharge monitoring reports (2009-2011) for the parameters currently monitored through the VPDES permit.

Gordonsville Power Station PermitVA0087033
Permit Application Effluent Data Generation Plan and Requested Waivers

Outfall	EPA Form	Parameters	Data Source To Be Used	Waiver Requested
103 – Unit 1 Oil and Water Separator[1] *Existing DMR data will be submitted for Form 2C parameters. No additional testing will be performed as this is an internal outfall to 001.*	2C – Part A	Flow,TSS	DMRs	NA
	2C – Part B	Oil and Grease	DMRs	NA
	2C – Part C	NA	NA	NA
	VA – WQS	NA	NA	NA

1. Outfalls 103 and 104 officially replaced outfall 102 in the February 2011 permit modification. In order to present as much data as possible, we plan to report monthly analytical data for the parameters currently monitored through the VPDES permit for outfalls 103 and 104 for May 2010 through April 2012. Data for the period May 2010 through January 2011 is data collected from outfall 102A (103) and 102B (104). This information was combined and reported as outfall 102 as explained in the DMR cover letter starting with the May 2010 discharge monitoring report (DMR). This change in the oily drain system was explained in the Notice of Planned Change letter dated November 4, 2009. Data for February 2011 through April 2012 is from DMRs for March through December 2011 as outfalls 103 and 104.

Outfall	EPA Form	Parameters	Data Source To Be Used	Waiver Requested
104 – Unit 2 Oil and Water Separator[1] *Existing DMR data will be submitted for Form 2C parameters. No additional testing will be performed as this is an internal outfall to 001.*	2C – Part A	Flow,TSS	DMRs	NA
	2C – Part B	Oil and Grease	DMRs	NA
	2C – Part C	NA	NA	NA
	VA – WQS	NA	NA	NA

1. See note for outfall 003 above.

Gordonsville Power Station PermitVA0087033
Permit Application Effluent Data Generation Plan and Requested Waivers

Outfall	EPA Form	Parameters	Data Source To Be Used	Waiver Requested
901 – Emergency Stormwater Overflow[1]	NA	NA	NA	NA
	NA	NA	NA	NA
	NA	NA	NA	NA
	NA	NA	NA	NA

1. Outfall 901 is an emergency stormwater overflow from the facility's retention pond. Outfall 901 discharges through outfall 001. Outfall 901 has not discharged under the current permit and there are no data to report. No testing will be performed for Outfall 901.

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
NORTHERN REGIONAL OFFICE
13901 Crown Court, Woodbridge, Virginia 22193
(703) 583-3800 Fax (703) 583-3821
www.deq.virginia.gov

Douglas W. Domenech
Secretary of Natural Resources

David K. Paylor
Director

Thomas A. Faha
Regional Director

June 8, 2012

Ms. Cathy C. Taylor
Director, Electric Environmental Services
Dominion Virginia Power
5000 Dominion Boulevard
Glen Allen, VA 23060

Re: Dominion – Gordonsville Power Station
Virginia Pollutant Discharge Elimination System (VPDES) Permit No. VA0087033

Dear Ms. Taylor:

Thank you for your correspondence dated May 29, 2012, regarding sampling and testing waivers associated with the referenced VPDES permit reissuance application. Staff has reviewed Dominion's sampling and testing waiver request and has the following comments.

Waiver Request – Outfall 001
Dominion requests that the requirement for 24-hour composite sampling be waived for Outfall 001.

Staff Response
Staff has no objection to the use of grab sampling in lieu of 24-hour composite sampling for Outfall 001. As such, the 24-hour composite sampling requirement is waived for Outfall 001.

Sampling Request – Outfall 101
Dominion proposes to submit existing Discharge Monitoring Report (DMR) data for Form 2C parameters and that no additional testing will be performed as this is an internal outfall.

Staff Response
Staff has no objection to limiting the parameters monitored for internal Outfall 101 to those parameters monitored in the effective VPDES permit. The discharge from internal Outfall 101 is addressed under Federal Effluent Guidelines established in 40 CFR Part 423 – Steam Electric Power Generating Point Source Category. Monitoring requirements established under this Federal Effluent Guideline are currently reflected in the effective VPDES permit for this internal outfall. As such, all monitoring requirements except for those parameters monitored in the effective VPDES permit are waived.

Sampling Request – Outfall 103
Dominion proposes to submit existing Discharge Monitoring Report (DMR) data for Form 2C parameters and that no additional testing will be performed as this is an internal outfall.

Staff Response
Staff has no objection to limiting the parameters monitored for internal Outfall 103 to those parameters monitored in the effective VPDES permit. The discharge from internal Outfall 103 is addressed under Federal Effluent Guidelines established in 40 CFR Part 423 – Steam Electric Power Generating Point Source Category. Monitoring requirements established under this Federal Effluent Guideline are currently reflected in the effective VPDES permit for this internal outfall. As such, all monitoring requirements except for those parameters monitored in the effective VPDES permit are waived.

Sampling Request – Outfall 104
Dominion proposes to submit existing Discharge Monitoring Report (DMR) data for Form 2C parameters and that no additional testing will be performed as this is an internal outfall.

Staff Response
Staff has no objection to limiting the parameters monitored for internal Outfall 104 to those parameters monitored in the effective VPDES permit. The discharge from internal Outfall 104 is addressed under Federal Effluent Guidelines established in 40 CFR Part 423 – Steam Electric Power Generating Point Source Category. Monitoring requirements established under this Federal Effluent Guideline are currently reflected in the effective VPDES permit for this internal outfall. As such, all monitoring requirements except for those parameters monitored in the effective VPDES permit are waived.

If you have any questions, please contact Susan Mackert at (703) 583-3853 or by email at susan.mackert@deq.virginia.gov.

Respectfully,

Bryant Thomas
Water Permits Manager

cc: VA0087033 – Reissuance File

DOMINION LABORATORY SERVICES

REPORT PRODUCED ON 06/13/2012

CERTIFICATE OF ANALYSIS TEST RESULTS BY SAMPLE

Location: GORDONSVILLE

Submitter: GLENN BISHOP

Dominion Lab Number: 399241
Description :OUTFALL 001
Unit: 0

Sample Date: 05/10/2012

Parameter	Result	Method	Test Code	Analyst	Date Analyzed	Time Analyzed	Contract Analyst
BOD, PPM	3.70	SM 5210 B	BOD	HERBE31	05/11/2012	730	PB
Boron as B, PPM	< 0.02	SM18TH 4500-B B	B	DONNA13	05/17/2012	915	
Bromide as Br, PPM	< 0.10	EPA 320.1	BR	HERBE31	05/21/2012	1350	ML
COD, PPM	16.20	HACH 8000	COD	DONNA13	05/15/2012	1220	
Color	18.	SM18TH 2120B	CLR	HERBE31	05/10/2012	1645	NA
Fluoride as F, PPM	< 0.023	EPA 300	FIC	DAWNE01	05/25/2012	1719	
MBAS as LAS, PPM	< 0.100	SM 5540C	SURF	HERBE31	05/15/2012	730	AL
NO3+NO2, PPM	0.06	EPA 353.2	NO3NO2	DONNA13	05/10/2012	1353	
Oil and Grease, PPM	< 5.00	EPA 1664A	O&G	TANYA19	05/15/2012	850	
Phenol, PPM	0.02	EPA 420.1	PHENOL	TANYA19	05/21/2012	1327	
Sulfate as SO4, PPM	1.29	EPA 300	SO4IC	DAWNE01	05/25/2012	1719	
Sulfide, PPM	< 0.05	SM18TH 4500S 2	SULFID	HERBE31	05/17/2012	930	NA
TK Nitrogen as N,PPM	0.58	EPA 351.2	TKN	DONNA13	05/30/2012	1102	
TOC, PPM	1.7	SM18TH 5310B	TOC	DONNA13	05/14/2012	1041	
TSS, PPM	9.2	SM18TH 2540D	TSS	THOM528	05/11/2012	1105	
Total Phos. as P,PPM	0.47	SM18TH 4500-P	TP	TANYA19	05/23/2012	1330	
Aluminum as Al, PPM	< 0.09	SM18TH 3111D	AL	DAWNE01	06/01/2012	1101	
Barium as Ba, ppb	9.	SM18TH 3113B	BAPPB	STEVE72	05/29/2012	1247	
Beryllium as Be, ppb	< 0.2	SM18TH 3113B	BEPPB	STEVE72	06/05/2012	1423	
Chromium as Cr, ppb	< 1.	SM18TH 3113B	CRPPB	STEVE72	05/30/2012	2332	
Cobalt as Co, ppb	< 0.6	SM18TH 3113B	COPPB	STEVE72	06/05/2012	1326	
Iron as Fe, PPM	0.23	SM18TH 3111B	FE	DAWNE01	05/24/2012	1130	
Magnesium as Mg, PPM	0.13	SM18TH 3111B	MG	DAWNE01	05/23/2012	1536	
Manganese as Mn, PPM	0.03	SM18TH 3111B	MN	DAWNE01	05/24/2012	1206	
Molybdenum as Mo,ppb	5.	SM18TH 3113B	MOPPB	STEVE72	05/23/2012	717	
Tin as Sn, ppb	< 5.	SM18TH 3113B	SNPPB	STEVE72	06/05/2012	1325	
Titanium as Ti, ppb	< 2.	EPA 283.2	TIPPB	STEVE72	06/05/2012	1008	
Dis. Ti, ppb	< 2.	EPA 283.2	TIDISPPB	STEVE72	06/05/2012	1008	
Dis. Sn, ppb	< 5.	SM18TH 3113B	SNDISPPB	STEVE72	06/05/2012	1325	
Dis. Mo, ppb	6.	SM18TH 3113B	MODISPPB	STEVE72	05/23/2012	717	
Dis. Cr, ppb	< 1.	SM18TH 3113B	CRDISPPB	STEVE72	05/30/2012	2332	
Dis. Co, ppb	< 0.6	SM18TH 3113B	CODISPPB	STEVE72	06/05/2012	1326	

Note 1: Initials in the Contract Analyst column indicate the analyst from the Contract Lab that ran the sample. Analyst for this parameter was the individual that entered results into the LIMS system.

DOMINION LABORATORY SERVICES

REPORT PRODUCED ON 06/13/2012

CERTIFICATE OF ANALYSIS TEST RESULTS BY SAMPLE

Location: GORDONSVILLE

Submitter: GLENN BISHOP

Dominion Lab Number: 399241
Description :OUTFALL 001
Unit: 0

Sample Date: 05/10/2012

Parameter	Result	Method	Test Code	Analyst	Date Analyzed	Time Analyzed	Contract Analyst
Dis. Be, ppb	< 0.2	SM18TH 3113B	BEDISPPB	STEVE72	06/05/2012	1423	
Dis. Ba, ppb	8.	SM18TH 3113B	BADISPPB	STEVE72	05/29/2012	1247	
Dis. Mn, PPM	0.02	SM18TH 3111B	MNDIS	DAWNE01	05/24/2012	1206	
Dis. Fe, PPM	< 0.05	SM18TH 3111B	FEDIS	DAWNE01	05/24/2012	1130	
Dis. Al, PPM	< 0.09	SM18TH 3111D	ALDIS	DAWNE01	06/01/2012	1101	
Nitrate as N, PPM	0.08	EPA 353.2	NO3	DONNA13	05/10/2012	1353	
T-Dis. Solids, PPM	< 10.0	SM18TH 2540C	TDS	THOM528	05/11/2012	1345	
Fecal Coliform, MPN	80.	SM9221E	FECAL	HERBE31	05/10/2012	1500	MS
Nonylphenol, ppb	< 5.0	ASTM D7065	NONYLPNL	HERBE31	05/25/2012	1937	JRA
Dis. Mg, PPM	0.11	SM18TH 3111B	MGDIS	DAWNE01	05/23/2012	1536	

Note 1: Initials in the Contract Analyst column indicate the analyst from the Contract Lab that ran the sample. Analyst for this parameter was the individual that entered results into the LIMS system.

DOMINION LABORATORY SERVICES

REPORT PRODUCED ON 06/13/2012

CERTIFICATE OF ANALYSIS TEST RESULTS BY SAMPLE

Location: GORDONSVILLE

Submitter: GLENN BISHOP

System Laboratory Number: 399242
Description :EQUIPMENT BLANK

Sample Date: 05/10/2012

Parameter	Result	Method	Test Code	Analyst	Date Analyzed	Time Analyzed
Dis. Al, PPM	< 0.09	SM18TH 3111D	ALDIS	DAWNE01	06/01/2012	1101
Dis. Ba, ppb	< 3.	SM18TH 3113B	BADISPPB	STEVE72	05/29/2012	1247
Dis. Be, ppb	< 0.2	SM18TH 3113B	BEDISPPB	STEVE72	06/05/2012	1423
Dis. Cr, ppb	< 1.	SM18TH 3113B	CRDISPPB	STEVE72	05/30/2012	2332
Dis. Co, ppb	< 0.6	SM18TH 3113B	CODISPPB	STEVE72	06/05/2012	1326
Dis. Fe, PPM	< 0.05	SM18TH 3111B	FEDIS	DAWNE01	05/24/2012	1130
Dis. Mg, PPM	< 0.01	SM18TH 3111B	MGDIS	DAWNE01	05/23/2012	1536
Dis. Mn, PPM	< 0.02	SM18TH 3111B	MNDIS	DAWNE01	05/24/2012	1206
Dis. Mo, ppb	< 1.	SM18TH 3113B	MODISPPB	STEVE72	05/23/2012	717
Dis. Sn, ppb	< 5.	SM18TH 3113B	SNDISPPB	STEVE72	06/05/2012	1325
Dis. Ti, ppb	< 2.	EPA 283.2	TIDISPPB	STEVE72	06/05/2012	1008

4200[illegible]

6.6°C on ice

Location: Gordonsville	Requested by: Alex Brooks	Priority: 3 4	
Required Date: +30 days 6-10-12	Phone:	Date Analysis Complete:	
Comment:	Sampled by: TKA	Date Approved Released:	

Bottle Types: O/G=Oil and Grease, PT=Phenols Total, V=Volatiles, M=Metals, A=[Ammonia,TKN,TP,COD,NO_3/NO_2], BOD=Biological Oxygen Demand
TOC=Total Organic Carbon, TSS=[Total Suspended Solids,B,F,NO_3/NO_2,SO_4,~~TDS,Chloride~~]
ABN=Acid Base Neutrals, PP=Pesticide/PCBs

Preservatives: HCl=Hydrochloric acid, CS=Cu Sulfate, S=Sulfuric acid, N=Nitric acid, ZA=Zinc acetate, SH=Sodium Hydroxide

Tests Required 1= O&G, Phenol total, [Ammonia, TKN, TP, COD, NO_3/NO_2], TOC
2= [TSS, TDS, B, F, NO_3/NO_2, Nitrate N, SO_4]

4= TR and Diss Metals Al,Ba,Co,Fe,Mg,Mo,Mn,Sn,Ti,Sb,Be,Cr, + Hardness

NOTE:

X - PLACE AN "X" IN THE BOX FOR SAMPLES TO BE SUBMITTED

System Lab Number	X	Sample ID	Sample Date	Sample Time	Comp	Grab	Cl_2 Screen [ABN,Vol]	Dechlor confirmed?	O/G (HCl)	PT (CS,S)	V (HCl)	M (N)	A (S)	BOD	TOC (HCl)	TSS	ABN	P/P	Test Required	Notes
399241	X	Gordonsville 001	5/10/12	1100		x			1	1		2	1		1	1			1,2,4	cons
399242	X	Equipment blank	5/10/12	1050		x						1							4	cons-metals

Relinquished by: (Signature) [signature]	Date 5-10-12	Time 1320	Received by: (Signature) [signature]	Date 5-10-12	Time 1320
Relinquished by (Signature)	Date	Time	Received by: (Signature)	Date	Time

Dominion Resources
Laboratory Services
11202 Old Stage Road
Chester, VA 23836

coc GV CPM.xlsx

Dominion Laboratory Login Checklist

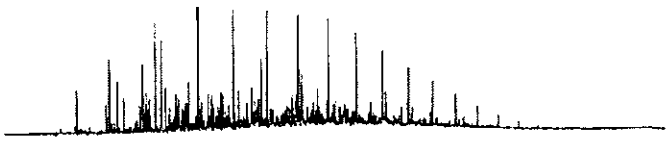
Station/Study: Cedarville		WO#: 42012	
Thermometer Used: 61951674 or 61951693		Temp: 6.6°C	
	Type of Ice: (Wet) Blue None		
Chain of Custody Present	(Yes)	No	N/A
Chain of Custody Filled Out	(Yes)	No	N/A
Chain of Custody Relinquished	(Yes)	No	N/A
Sampler Name on COC	(Yes)	No	N/A
Samples Labels match COC	(Yes)	No	N/A
Includes date/time/ID/Analysis	(Yes)	No	N/A
All entries in Ink	(Yes)	No	N/A
Samples Arrived within Holding Time	(Yes)	No	N/A
Short Hold Time Analysis (<72hr)	(Yes)	(No)	N/A
Rush Turn Around Time Requested	Yes	(No)	N/A
Sufficient Volume	(Yes)	No	N/A
Correct Containers Used	(Yes)	No	N/A
Containers Used: (circle)	(NH3)	(Solids)	O&G
	(TOC)	OPO4	ABN
	IC	DRO	Phenol
	Hardness	Radioactivity	~~Volatiles~~
	Grain Size	(Metals (Total or Dissolved)	
	Other:		
# of Bottles on COC correct	(Yes)	No	N/A
Filtered Volume received for Dissolved Tests	(Yes)	No	N/A
Custody Seal Intact	(Yes)	No	N/A
Date/Time Received: 5-10-12			
Received by: [signature]			
Due Date on COC match worksheet	(Yes)	No	N/A
Tests Required on COC match worksheet	(Yes)	No	N/A
Verified by: mz		Date: 5/10/12	

CONS

Outfall 001 Missing Data

a. Biological Oxygen Demand *(BOD)*	Out
b. Chemical Oxygen Demand *(COD)*	
c. Total Organic Carbon *(TOC)*	
d. Total Suspended Solids *(TSS)*	
a. Bromide (24959-67-9)	Out
c. Color	Out
d. Fecal Coliform	Out
e. Fluoride (16984-48-8)	
f. Nitrate - Nitrite *(as N)*	
g. Nitrogen, Total Organic *(as N)*	
h. Oil & Grease	
i. Phosphorus (as P), Total (7723-14-0)	
k. Sulfate *(as SO_4)* (14808-79-8)	
l. Sulfide *(as S)*	Out
n. Surfactants	Out
o. Aluminum, Total (7429-90-5)	
p. Barium Total (7440-39-3)	
q. Boron, Total (7440-42-8)	
r. Cobalt, Total (7440-48-4)	
s. Iron, Total (7439-89-6)	
t. Magnesium, Total (7439-95-4)	
u. Molybdenum, Total (7439-98-7)	
v. Manganese, Total (7439-96-5)	
w. Tin, Total (7440-31-5)	
x. Titanium, Total (7440-32-6)	
3M. Beryllium, Total (7440-41-7)	
5M. Chromium, Total (7440-47-3)	
15M. Phenols, Total	
Ti (dissolved)	
Sn (dissolved)	
Mo (dissolved)	
Cr (dissolved)	
Co (dissolved)	
Be (dissolved)	
Ba (dissolved)	
Mn (dissolved)	
Mg (dissolved)	
Fe (dissolved)	
Al (dissolved)	
Total Dissolved Solids	
Nitrate as N	
Nonylphenol	Out

Primary Laboratories, Inc.
7423 Lee Davis Road, Mechanicsville, VA 23111 • Telephone (804) 559-9004 • Fax (804) 559-9306



ANALYTICAL LABORATORY REPORT

30-May-12

Dominion Virginia Power
Attn: Glenn Bishop
4111 Castlewood Road
Richmond, Va. 23234

Date Received: 10-May-12
Date Sampled: 10-May-12
Work Order No: 1205114-01
Client ID: **Gortdonsville 001** 7ff Lel

Test Description	Final Result	Reporting Limit	Units of Measure	Method Numbers*	Date Analyzed	Tech. Initials
BOD	3.7	3.0	mg/L	5210 B	11-May-12 at 7:30	PB
Color @ pH- 8.26	18.0	5.0	PCU	2120 B	10-May-12 at 16:45	NA
Bromide	<0.10	0.10	mg/L	Titrimetric	21-May-12 at 13:50	ML
Sulfide	<0.05	0.05	mg/L	4500S^{2-}E	17-May-12 at 9:30	NA
MBAS	<0.10	0.10	mg/L	5540C	15-May-12 at 7:30	AL
Fecal Coliform	80	2	MPN/100ml	9221E	10-May-12 at 15:00	MS
Nonylphenol	<5	5	ug/L	D7065	25-May-12 at 19:37	JRA

* All methods are Standard Methods 18th Edition unless otherwise noted.
Note: All analyses are NELAC certified except where noted with a (#).
ML- Microbac Laboratories, AL- Analytics Laboratories, JRA- James R. Reed & Associates

Signature: _____ Date: 5/30/12
Parry L. Bragg
Laboratory Manager

VELAP# 460173
DCLS# 237

Microbac Laboratories, Inc.
Richmond Division
2028 Dabney Road, Suite E-17 • Richmond, VA 23230

Phone: 804-353-1999
Fax: 804-353-0330
www.microbac.com

CERTIFICATE OF ANALYSIS

Cash 2nd Quarter 2012	Project: General Analysis	Report: 12E0831
7423 Lee Davis Road	Project Number: [none]	Reported: 05/29/2012 09:28
Mechanicsville, VA 23111	Project Manager: Primary Laboratories	
	Sampled By:	

1205114-1

12E0831-01 (Water) Sampled: 05/14/2012 11:00; Type: Grab
Microbac Laboratories, Inc., Richmond Division

Analyte	Result	Reporting Limit	Units	Prepared	Analyzed	Analyst	Method	Notes
Microbac Laboratories, Inc., Baltimore Division								
Wet Chemistry								
Bromide	ND	0.10	mg/L	052112 0748	052112 1350	VAS	EPA 300.0	

Curtis B. Read, Project Manager

REPORT OF ANALYSIS

CLIENT:	Primary Laboratories	SAMPLE COLLECTED BY:	CLIENT
ATTN:		GRAB COLLECTION:	
ADDRESS:	7423 Lee Davis Highway	Date: 5/10/12	Time: 1100
	Mechanicsville, Virginia 23111	COMPOSITE COLLECTION:	
PHONE:	804-559-9004	Start Date:	Time:
FAX:	804-559-9306	End Date:	Time:
Special Notes:		PICK UP BY:	FEDERAL EXPRESS
		SAMPLE RECEIPT:	
		Date: 5/15/12	Time: 1420
		NUMBER OF CONTAINERS:	1
		SAMPLE CONDITION:	☑ Good ☐ Other (See C-O-C)
		REPORT NO:	12-07561 13:55

SAMPLE ID: 1205114-01C
SAMPLE NO: 12-07561

Parameter	Method Number	JRA QL	Result	Unit	Analyst	Date	Time
Nonylphenol	D7065-06	5	< 5	ug/L	CLH	5/25/12	1937

NOTES:

JRA Quantification Level is the concentration of the lowest calibration standard above zero with a reliable signal.

Reproduction of this report is not permitted, except in full, without written approval from James R Reed & Associates.

The results on this report relate only to the sample(s) provided for analysis.

Results conform to NELAC standards, where applicable, unless otherwise indicated.

Authorized By: *Elaine Claiborne*

Elaine Claiborne, Laboratory Director

Date: 29-May-12

James R. Reed & Associates
770 Pilot House Drive, Newport News, VA 23606
(757) 873-4703 • Fax: (757) 873-1498

VELAP# 460013
EPA# VA00015

120514

1.2°C on ice

Location: Gordonsville	Requested by: WGIS	Priority:
Required Date: +30 days	Phone: 804-271-5375	Date Analysis Complete:
Comment:	Sampled by: JKA	Date Approved Released:

Bottle Types: Cn=Cyanide, FC=Fecals, EC = E coli, H_2S = Hydrogen sulfide, Asb = Asbestos, BOD=Biological Oxygen Demand
P/P=Pesticide / PCBs, TBT = Tributyltin, R = Radioactivity, Br = Bromide, Color, Sul = sulfide, Sur = Surfactants, DS = Dioxin screen

Preservatives: HCl=Hydrochloric acid, CS=Cu Sulfate, S=Sulfuric acid N=Nitric acid, ZA=Zinc acetate, SH=Sodium Hydroxide

Tests Required 1 = Fecal coliforms, BOD, *Nonylphenol*

3= (Br, Color), Sulfide, Surfactants

X - PLACE AN "X" IN THE BOX FOR SAMPLES TO BE SUBMITTED

Preservative										SH			ZA,SH									ZA,SH				
System Lab Number	x	Sample ID	Sample Date	Sample Time	Comp	Grab	Cl_2 Screen (Cn)	Dechlor confirmed?	Sulfide Screen (Cn)	Cn	FC	EC	H_2S	Asb	BOD	P/P	TBT	Nonylphenol	1,2-Diphenylhydrazine	Cr3, Cr6	Br, Color	Sul	Sur	DS	Test Required	Notes
		Gordonsvillia 001	5-10-12	1100		x					1				1			1			1	1	1		1,3	

Relinquished by: (Signature) [signature]	Date 5-10-12	Time 1405	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature) [signature]	Date 5-10-12	Time 1405	

Primary Laboratories
7423 Lee Davis Road
Mechanicsville, VA 23111
804-559-9004

DOMINION LABORATORY SERVICES

REPORT PRODUCED ON 05/25/2011

CERTIFICATE OF ANALYSIS TEST RESULTS BY SAMPLE

Location: GORDONSVILLE

Submitter: GLENN BISHOP

Dominion Lab Number: 388426
Description :OUTFALL 001
Unit: 0

Sample Date: 04/20/2011

Parameter	Result	Method	Test Code	Analyst	Date Analyzed	Time Analyzed	Contract Analyst
T-Hard. as CaCO3,PPM	17.10	SM18TH 2340C	HARD	SHEIL28	05/03/2011	1000	
Arsenic as As, ppb	< 3.	SM18TH 3113B	ASPPB	STEVE72	05/11/2011	2000	
Cadmium as Cd, ppb	< 0.3	SM18TH 3113B	CDPPB	STEVE72	05/13/2011	1140	
Copper as Cu, ppb	7.	SM18TH 3113B	CUPPB	STEVE72	05/10/2011	351	
Lead as Pb, ppb	< 1.	SM18TH 3113B	PBPPB	STEVE72	05/10/2011	154	
Mercury as Hg, ppb	< 0.2	SM18TH 3112B	HGPPB	STEVE72	05/04/2011	705	
Nickel as Ni, ppb	< 5.	SM18TH 3113B	NIPPB	STEVE72	05/13/2011	956	
Silver as Ag, ppb	< 0.1	SM18TH 3113B	AGPPB	STEVE72	05/12/2011	1429	
Antimony as Sb, ppb	< 1.	SM18TH 3113B	SBPPB	STEVE72	05/12/2011	1222	
Selenium as Se, ppb	< 3.	SM18TH 3113B	SEPPB	STEVE72	05/11/2011	1511	
Thallium as Tl, ppb	< 0.2	EPA 279.2	TLPPB	STEVE72	05/12/2011	1334	
Zinc as Zn, PPM	0.150	SM18TH 3111B	ZN	DAWNE01	05/11/2011	1559	
Dis. As, ppb	< 3.	SM18TH 3113B	ASDISPPB	STEVE72	05/11/2011	2000	
Dis. Cd, ppb	< 0.3	SM18TH 3113B	CDDISPPB	STEVE72	05/13/2011	1140	
Dis. Cu, ppb	4.	SM18TH 3113B	CUDISPPB	STEVE72	05/10/2011	351	
Dis. Pb, ppb	< 1.	SM18TH 3113B	PBDISPPB	STEVE72	05/10/2011	154	
Dis. Hg, ppb	< 0.2	SM18TH 3112B	HGDISPPB	STEVE72	05/04/2011	705	
Dis. Ni, ppb	< 5.	SM18TH 3113B	NIDISPPB	STEVE72	05/13/2011	956	
Dis. Ag, ppb	< 0.1	SM18TH 3113B	AGDISPPB	STEVE72	05/12/2011	1429	
Dis. Sb, ppb	< 1.	SM18TH 3113B	SBDISPPB	STEVE72	05/12/2011	1222	
Dis. Se, ppb	< 3.	SM18TH 3113B	SEDISPPB	STEVE72	05/11/2011	1511	
Dis. Tl, ppb	< 0.2	EPA 279.2	TLDISPPB	STEVE72	05/12/2011	1334	
Dis. Zn, PPM	< 0.010	SM18TH 3111B	ZNDIS	DAWNE01	05/11/2011	1559	
Total Xylenes, ppb	< 0.2	SW846 MTD 8021M	XYLENE	SHEIL28	04/25/2011	1611	
Ammonia as N, PPM	0.01	SM18TH 4500NH3F	NH3	DAWNE01	04/27/2011	1600	
Phenol, ppb	< 2.70	EPA 625	ACID625	CHAR130	05/10/2011	2216	
2-Chlorophendl, ppb	< 3.30	EPA 625	ACID625	CHAR130	05/10/2011	2216	
2-Nitrophenol, ppb	< 3.60	EPA 625	ACID625	CHAR130	05/10/2011	2216	
2,4-Dimethylphenol, ppb	< 5.20	EPA 625	ACID625	CHAR130	05/10/2011	2216	
2,4-Dichlorophenol, ppb	< 5.60	EPA 625	ACID625	CHAR130	05/10/2011	2216	
4-Chloro-3-Methylphenol, ppb	< 7.50	EPA 625	ACID625	CHAR130	05/10/2011	2216	
2,4,6-Trichlorophenol, ppb	< 2.70	EPA 625	ACID625	CHAR130	05/10/2011	2216	

Note 1: Initials in the Contract Analyst column indicate the analyst from the Contract Lab that ran the sample. Analyst for this parameter was the individual that entered results into the LIMS system.

CERTIFICATE OF ANALYSIS TEST RESULTS BY SAMPLE

Location: GORDONSVILLE

Submitter: GLENN BISHOP

Dominion Lab Number: 388426
Description :OUTFALL 001
Unit: 0

Sample Date: 04/20/2011

Parameter	Result	Method	Test Code	Analyst	Date Analyzed	Time Analyzed	Contract Analyst
2,4-Dinitrophenol, ppb	< 42.00	EPA 625	ACID625	CHAR130	05/10/2011	2216	
4-Nitrophenol, ppb	< 2.40	EPA 625	ACID625	CHAR130	05/10/2011	2216	
2-Methyl-4,6-Dinitrophenol, ppb	< 24.00	EPA 625	ACID625	CHAR130	05/10/2011	2216	
Pentachlorophenol, ppb	< 3.60	EPA 625	ACID625	CHAR130	05/10/2011	2216	
N-Nitrosodimethylamine, ppb	< 6.20	EPA 625	BN625	CHAR130	05/10/2011	1847	
Bis(-2-Chloroethyl) ether, ppb	< 5.70	EPA 625	BN625	CHAR130	05/10/2011	1847	
Bis(2-Chloroisopropyl) ether, ppb	< 5.70	EPA 625	BN625	CHAR130	05/10/2011	1847	
N-nitroso-Di-n-propylamine, ppb	< 3.60	EPA 625	BN625	CHAR130	05/10/2011	1847	
Hexachloroethane, ppb	< 2.40	EPA 625	BN625	CHAR130	05/10/2011	1847	
Nitrobenzene, ppb	< 4.20	EPA 625	BN625	CHAR130	05/10/2011	1847	
Isophorone, ppb	< 5.10	EPA 625	BN625	CHAR130	05/10/2011	1847	
Bis(-2-Chloroethoxy) Methane, ppb	< 5.30	EPA 625	BN625	CHAR130	05/10/2011	1847	
1,2,4-Trichlorobenzene, ppb	< 7.90	EPA 625	BN625	CHAR130	05/10/2011	1847	
Naphthalene, ppb	< 3.80	EPA 625	BN625	CHAR130	05/10/2011	1847	
Hexachlorobutadiene, ppb	< 1.80	EPA 625	BN625	CHAR130	05/10/2011	1847	
Hexachlorocyclopentadiene, ppb	< 10.00	EPA 625	BN625	CHAR130	05/10/2011	1847	
2-Chloronaphthalene, ppb	< 4.60	EPA 625	BN625	CHAR130	05/10/2011	1847	
Dimethyl Phthalate, ppb	< 7.50	EPA 625	BN625	CHAR130	05/10/2011	1847	
Acenaphthylene, ppb	< 3.50	EPA 625	BN625	CHAR130	05/10/2011	1847	
2,6-Dinitrotoluene, ppb	< 3.40	EPA 625	BN625	CHAR130	05/10/2011	1847	
Acenaphthene, ppb	< 3.00	EPA 625	BN625	CHAR130	05/10/2011	1847	
2,4-Dinitrotoluene, ppb	< 5.70	EPA 625	BN625	CHAR130	05/10/2011	1847	
Diethylphthalate, ppb	< 7.40	EPA 625	BN625	CHAR130	05/10/2011	1847	
Fluorene, ppb	< 2.20	EPA 625	BN625	CHAR130	05/10/2011	1847	
4-Chlorophenyl-phenylether, ppb	< 4.20	EPA 625	BN625	CHAR130	05/10/2011	1847	
N-nitrosodiphenylamine, ppb	< 2.70	EPA 625	BN625	CHAR130	05/10/2011	1847	
1,2-Diphenylhydrazine, ppb	< 8.80	EPA 625	BN625	CHAR130	05/10/2011	1847	
4-Bromophenyl-phenylether, ppb	< 3.00	EPA 625	BN625	CHAR130	05/10/2011	1847	
Hexachlorobenzene, ppb	< 3.10	EPA 625	BN625	CHAR130	05/10/2011	1847	
Phenanthrene, ppb	< 5.40	EPA 625	BN625	CHAR130	05/10/2011	1847	
Anthracene, ppb	< 1.90	EPA 625	BN625	CHAR130	05/10/2011	1847	
Di-n-Butylphthalate, ppb	< 6.40	EPA 625	BN625	CHAR130	05/10/2011	1847	

Note 1: Initials in the Contract Analyst column indicate the analyst from the Contract Lab that ran the sample. Analyst for this parameter was the individual that entered results into the LIMS system.

CERTIFICATE OF ANALYSIS TEST RESULTS BY SAMPLE

Location: GORDONSVILLE

Submitter: GLENN BISHOP

Dominion Lab Number: 388426
Description :OUTFALL 001
Unit: 0

Sample Date: 04/20/2011

Parameter	Result	Method	Test Code	Analyst	Date Analyzed	Time Analyzed	Contract Analyst
Fluoranthene, ppb	< 2.20	EPA 625	BN625	CHAR130	05/10/2011	1847	
Benzidine, ppb	< 63.00	EPA 625	BN625	CHAR130	05/10/2011	1847	
Pyrene, ppb	< 3.80	EPA 625	BN625	CHAR130	05/10/2011	1847	
Butylbenzylphthalate, ppb	< 2.50	EPA 625	BN625	CHAR130	05/10/2011	1847	
Chrysene, ppb	< 2.50	EPA 625	BN625	CHAR130	05/10/2011	1847	
3,3'-Dichlorobenzidine, ppb	< 16.50	EPA 625	BN625	CHAR130	05/10/2011	1847	
Benzo (a) Anthracene, ppb	< 7.80	EPA 625	BN625	CHAR130	05/10/2011	1847	
Bis(2-ethylhexyl) Phthalate, ppb	< 2.50	EPA 625	BN625	CHAR130	05/10/2011	1847	
Di-n-octyl Phthalate, ppb	< 2.50	EPA 625	BN625	CHAR130	05/10/2011	1847	
Benzo (b) fluoranthene, ppb	< 4.80	EPA 625	BN625	CHAR130	05/10/2011	1847	
Benzo (k) fluoranthene, ppb	< 2.50	EPA 625	BN625	CHAR130	05/10/2011	1847	
Benzo (a) pyrene, ppb	< 2.50	EPA 625	BN625	CHAR130	05/10/2011	1847	
Indeno (1 2 3-cd) pyrene, ppb	< 3.70	EPA 625	BN625	CHAR130	05/10/2011	1847	
Dibenzo (a h) anthracene, ppb	< 2.50	EPA 625	BN625	CHAR130	05/10/2011	1847	
Benzo (g h i) perylene, ppb	< 4.10	EPA 625	BN625	CHAR130	05/10/2011	1847	
Methyl Chloride, ppb	< 1.10	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Methyl Bromide, ppb	< 1.40	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Vinyl Chloride, ppb	< 1.80	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Chloroethane, ppb	< 1.10	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Methylene Chloride, ppb	< 2.80	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Acrolein, ppb	< 10.00	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Acrylonitrile, ppb	< 1.50	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Trichlorofluoromethane, ppb	< 2.30	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,1-Dichloroethylene, ppb	< 2.80	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,1-Dichloroethane, ppb	< 4.70	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,2-Trans-Dichloroethylene, ppb	< 1.60	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Chloroform, ppb	< 1.60	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,2-Dichloroethane, ppb	< 2.80	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,1,1-Trichloroethane, ppb	< 3.80	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Carbon Tetrachloride, ppb	< 2.80	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Dichlorobromomethane, ppb	< 2.20	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,2-Dichloropropane, ppb	< 6.00	EPA 624	VOA624	CHAR130	04/25/2011	1328	

Note 1: Initials in the Contract Analyst column indicate the analyst from the Contract Lab that ran the sample. Analyst for this parameter was the individual that entered results into the LIMS system.

CERTIFICATE OF ANALYSIS TEST RESULTS BY SAMPLE

Location: GORDONSVILLE

Submitter: GLENN BISHOP

Dominion Lab Number: 388426
Description :OUTFALL 001
Unit: 0

Sample Date: 04/20/2011

Parameter	Result	Method	Test Code	Analyst	Date Analyzed	Time Analyzed	Contract Analyst
Cis-1 3-Dichloropropylene, ppb	< 5.00	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Trans-1 3-Dichloropropylene, ppb	< 0.90	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Trichloroethylene, ppb	< 1.90	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Chlorodibromomethane, ppb	< 3.10	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Benzene, ppb	< 4.40	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,1,2-Trichloroethane, ppb	< 5.00	EPA 624	VOA624	CHAR130	04/25/2011	1328	
2-Chloroethylvinyl Ether, ppb	< 1.20	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Bromoform, ppb	< 4.70	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,1,2,2-Tetrachloroethane, ppb	< 6.90	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Tetrachloroethylene, ppb	< 4.10	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Toluene, ppb	< 6.00	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Chlorobenzene, ppb	< 6.00	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Ethylbenzene, ppb	< 7.20	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,3 Dichlorobenzene, ppb	< 5.00	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,4 Dichlorobenzene, ppb	< 5.00	EPA 624	VOA624	CHAR130	04/25/2011	1328	
1,2 Dichlorobenzene, ppb	< 5.00	EPA 624	VOA624	CHAR130	04/25/2011	1328	
Gross Alpha, pCi/L	< 2.060	EPA 900.0	RADIO	HERBE31	04/28/2011	1044	JC2
Gross Beta, pCi/L	< 2.230	EPA 900.0	RADIO	HERBE31	04/28/2011	1044	JC2
Strontium-90, pCi/L	< 1.030	PGH-R-010-A	SR-90	HERBE31	05/10/2011	717	MBT
Tritium, pCi/L	< 223.00	EPA 906.0	TRITIUM	HERBE31	04/30/2011	1714	RMD
Chloride as Cl, PPM	9.78	EPA 300	CLIC	DAWNE01	05/05/2011	1727	
1,2 Diphenylhydrazine, ppb	< 0.1	EPA 625	625DPH	HERBE31	05/19/2011		HV
Cyanide as CN, PPM	< 0.010	SM 4500CN E	CN	HERBE31	04/22/2011		HV
Tributyltin, ng/L	< 30.	GC/FPD	TRIBUTIN	HERBE31	04/27/2011		
Hydrogen Sulfide, PPM	< 0.05	EPA 376.1	HYDSULF	HERBE31	04/29/2011		HV
E. Coli, MPN	< 1.	SM9221F	ECOLI	HERBE31	04/20/2011		MS
Chrom. +6 as Cr6, PPM	< 0.005	SM 3500-CR D	CR6	HERBE31	04/21/2011	930	NA
2,4-D, ppb	< 0.01	EPA 615	8151GC	HERBE31	05/13/2011		HV
Silvex, ppb	< 0.01	EPA 615	8151GC	HERBE31	05/13/2011		HV
Aldrin, ppb	< 0.050	EPA 608	608GC	HERBE31	05/11/2011		HV
Chlordane, ppb	< 0.200	EPA 608	608GC	HERBE31	05/11/2011		HV
Dieldrin, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV

Note 1: Initials in the Contract Analyst column indicate the analyst from the Contract Lab that ran the sample. Analyst for this parameter was the individual that entered results into the LIMS system.

CERTIFICATE OF ANALYSIS TEST RESULTS BY SAMPLE

Location: GORDONSVILLE

Submitter: GLENN BISHOP

Dominion Lab Number: 388426
Description :OUTFALL 001
Unit: 0

Sample Date: 04/20/2011

Parameter	Result	Method	Test Code	Analyst	Date Analyzed	Time Analyzed	Contract Analyst
4,4-DDT, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
4,4-DDE, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
4,4-DDD, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
Endosulfan Sulfate, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
Endosulfan I, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
Endosulfan II, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
Endrin, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
Alpha-BHC, ppb	< 0.050	EPA 608	608GC	HERBE31	05/11/2011		HV
Beta-BHC, ppb	< 0.050	EPA 608	608GC	HERBE31	05/11/2011		HV
Delta-BHC, ppb	< 0.050	EPA 608	608GC	HERBE31	05/11/2011		HV
Gamma-BHC (Lindane), ppb	< 0.050	EPA 608	608GC	HERBE31	05/11/2011		HV
Heptachlor, ppb	< 0.050	EPA 608	608GC	HERBE31	05/11/2011		HV
Kepone, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
Methoxychlor, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
Mirex, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
Endrin Aldehyde, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
Heptachlor Epoxide, ppb	< 0.100	EPA 608	608GC	HERBE31	05/11/2011		HV
Toxaphene, ppb	< 5.000	EPA 608	608GC	HERBE31	05/11/2011		HV
Arochlor 1016, ppb	< 1.0	EPA 608	608PCB	HERBE31	05/11/2011		HV
Arochlor 1221, ppb	< 1.0	EPA 608	608PCB	HERBE31	05/11/2011		HV
Arochlor 1232, ppb	< 1.0	EPA 608	608PCB	HERBE31	05/11/2011		HV
Arochlor 1242, ppb	< 1.0	EPA 608	608PCB	HERBE31	05/11/2011		HV
Arochlor 1248, ppb	< 1.0	EPA 608	608PCB	HERBE31	05/11/2011		HV
Arochlor 1254, ppb	< 1.0	EPA 608	608PCB	HERBE31	05/11/2011		HV
Arochlor 1260, ppb	< 1.0	EPA 608	608PCB	HERBE31	05/11/2011		HV
Chlorpyrifos, ppb	< 0.2000	EPA 622	ORGPHOS	HERBE31	05/06/2011		
Demeton, ppb	< 1.0000	EPA 622	ORGPHOS	HERBE31	05/06/2011		
Diazinon, ppb	< 1.0000	EPA 622	ORGPHOS	HERBE31	05/06/2011		
Guthion, ppb	< 1.0000	EPA 622	ORGPHOS	HERBE31	05/06/2011		
Malathion, ppb	< 1.0000	EPA 622	ORGPHOS	HERBE31	05/06/2011		
Parathion, ppb	< 1.0000	EPA 622	ORGPHOS	HERBE31	05/06/2011		

Note 1: Initials in the Contract Analyst column indicate the analyst from the Contract Lab that ran the sample. Analyst for this parameter was the individual that entered results into the LIMS system.

418139

Location: Gordonsville	Requested by: Usman Dishaq	Priority: 5
Required Date: 5/1/11	Phone:	Date Analysis Complete:
Comment:	Sampled by: WGB [signature]	Date Approved Released:

Bottle Types: O/G=Oil and Grease, PT=Phenols Total, V=Volatiles, M=Metals, A=[Ammonia,TKN,TP,COD,NO_3/NO_2], BOD=Biological Oxygen Demand
TOC=Total Organic Carbon, TSS=[Total Suspended Solids,B,F,NO_3/NO_2,SO_4,~~TDS,Chloride~~]
ABN=Acid Base Neutrals, PP=Pesticide/PCBs

Preservatives: HCl=Hydrochloric acid, CS=Cu Sulfate, S=Sulfuric acid, N=Nitric acid, ZA=Zinc acetate, SH=Sodium Hydroxide

Tests Required 1= Volatiles Total xylenes, [Ammonia]
2= Chlorides
3= ABN
4= TR and Diss Metals Sb,As,As3,Cd,Cu,Pb,Hg,Ni,Se,Ag,Tl,Zn + Hardness

Consider:
TRC < dL

X - PLACE AN "X" IN THE BOX FOR SAMPLES TO BE SUBMITTED

Preservative										HCl	CS,S	HCl	N	S			HCl					
System Lab Number	x	Sample ID	Sample Date	Sample Time	Comp	Grab	Cl_2 Screen [Cn, ABN,Vol]	Dechlor confirmed?	Sulfide Screen [Cn]	O/G	PT	V	M	A	BOD		TOC	TSS	ABN	P/P	Test Required	Notes
3554926		Outfall 001	4/21/11	1102		x	Pass	Yes	Pass			6	2	1				1	3		1,2,3,4	
3554927		Equip blank	4/21/11	1055									1								4	

Relinquished by: (Signature) [signature]	Date 4/21/11	Time 1530	Received by: (Signature) [signature]	Date 4/20/11	Time 1531
Relinquished by: (Signature) [signature]	Date 4/21/11	Time 0640	Received by: (Signature) [signature]	Date 4/21/11	Time 640

Dominion Resources
Laboratory Services
11202 Old Stage Road
Chester, VA 23836

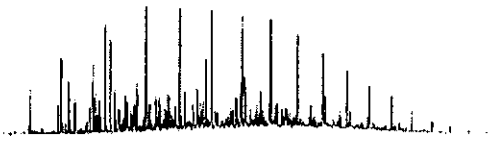
Time = 1115
Temp 16.6
pH 6.9
DO 12.97
Cl_2 < dL

rec'd on ice. 2.5C

coc GV Att A.xlsx

Primary Laboratories, Inc.

7423 Lee Davis Road • Mechanicsville, VA 23111 • Telephone (804) 559-9004 • Fax (804) 559-9306



ANALYTICAL LABORATORY REPORT

19-May-11

Dominion Virginia Power
Attn: Glenn Bishop
4111 Castlewood Road
Richmond, Va. 23234

Date Received: 20-Apr-11
Date Sampled: 20-Apr-11
Work Order No: 1104167-01
Client ID: **Gordonsville Outfall 001**

Test Description	Final Result	Reporting Limit	Units of Measure	Method Numbers*	Date Analyzed	Tech. Initials
1,2 Diphenylhydrazine	<0.1	0.1	ug/L	526	19-May-11	HV
Cyanide	<0.01	0.01	mg/L	4500CN E	22-Apr-11	HV
Tributyltin	<30	30	ng/L	GC/FPD	27-Apr-11	SC**
Hydrogen Sulfide	<0.050	0.050	mg/L	376.1	29-Apr-11	HV
E Coli	<1.0	1.0	MPN/100ml	9221 F (20)	20-Apr-11 at 13:35	MS
Hexavalent Chromium	<0.005	0.005	mg/L	3500	21-Apr-11 at 9:30	NA
Chromium III	<0.020	0.020	mg/L	3120B	21-Apr-11	HV
HERBICIDES						
2,4-D	<0.010	0.010	ug/L	8151A	13-May-11	HV
2,4,5-TP (Silvex)	<0.010	0.010	ug/L	8151A	13-May-11	HV

** Analysis sub-contracted.

Primary Laboratories, Inc.
Results

19-May-11

Date Sampled: 20-Apr-11
Work Order No: 1104167-01
Client ID: **Gordonsville Outfall 001**

Test Description	Final Result	Reporting Limit	Units of Measure	Method Numbers*	Date Analyzed	Tech. Initials
Pesticides						
Aldrin	<0.05	0.05	ug/L	608	11-May-11	HV
Chlordane	<0.20	0.20	ug/L	608	11-May-11	HV
Dieldrin	<0.10	0.10	ug/L	608	11-May-11	HV
4,4-DDT	<0.10	0.10	ug/L	608	11-May-11	HV
4,4-DDE	<0.10	0.10	ug/L	608	11-May-11	HV
4,4-DDD	<0.10	0.10	ug/L	608	11-May-11	HV
Endosulfan sulfate	<0.10	0.10	ug/L	608	11-May-11	HV
Endosulfan I	<0.10	0.10	ug/L	608	11-May-11	HV
Endosulfan II	<0.10	0.10	ug/L	608	11-May-11	HV
Endrin	<0.10	0.10	ug/L	608	11-May-11	HV
Alpha-BHC	<0.05	0.05	ug/L	608	11-May-11	HV
Beta-BHC	<0.05	0.05	ug/L	608	11-May-11	HV
Delta-BHC	<0.05	0.05	ug/L	608	11-May-11	HV
Gamma-BHC (Lindane)	<0.05	0.05	ug/L	608	11-May-11	HV
Heptachlor	<0.05	0.05	ug/L	608	11-May-11	HV
Kepone	<0.10	0.10	ug/L	608	11-May-11	HV
Methoxychlor	<0.10	0.10	ug/L	608	11-May-11	HV
Mirex	<0.10	0.10	ug/L	608	11-May-11	HV
Endrin Aldehyde	<0.10	0.10	ug/L	608	11-May-11	HV
Heptachlor Epoxide	<0.10	0.10	ug/L	608	11-May-11	HV
Toxaphene	<5.0	5.0	ug/L	608	11-May-11	HV
PCB-1016	<1.0	1.0	ug/L	608	11-May-11	HV
PCB-1221	<1.0	1.0	ug/L	608	11-May-11	HV
PCB-1232	<1.0	1.0	ug/L	608	11-May-11	HV
PCB-1242	<1.0	1.0	ug/L	608	11-May-11	HV
PCB-1248	<1.0	1.0	ug/L	608	11-May-11	HV
PCB-1254	<1.0	1.0	ug/L	608	11-May-11	HV
PCB-1260	<1.0	1.0	ug/L	608	11-May-11	HV

Primary Laboratories, Inc.
Results

19-May-11

Date Sampled: 20-Apr-11
Work Order No: 1104167-01
Client ID: **Gordonsville Outfall 001**

Test Description	Final Result	Reporting Limit	Units of Measure	Method Numbers*	Date Analyzed	Tech. Initials
Organophosphorus Pesticides						
Demeton	<1	1	ug/L	622	6-May-11	SC**
Malathion	<1	1	ug/L	622	6-May-11	SC**
Chlorpyrifos	<0.2	0.2	ug/L	622	6-May-11	SC**
Parathion	<1	1	ug/L	622	6-May-11	SC**
Guthion	<1	1	ug/L	622	6-May-11	SC**
Diazinon	<1	1	ug/L	622	6-May-11	SC**

* All methods are Standard Methods 18th Edition unless otherwise noted.

** Analysis sub-contracted.

Signature: _____ Date: 5/19/11

Parry L. Bragg
Laboratory Manager

Location: Gordonsville	Requested by:	Priority:
Required Date:	Phone:	Date Analysis Complete:
Comment:	Sampled by: WGB	Date Approved Released:

Bottle Types: Cn=Cyanide, FC=Fecals, EC = E coli, H_2S = Hydrogen sulfide, Asb = Asbestos, BOD=Biological Oxygen Demand
P/P=Pesticide / PCBs, TBT = Tributyltin, R = Radioactivity, Br = Bromide, Color, Sul = sulfide, Sur = Surfactants, DS = Dioxin screen

11C4167

Preservatives: HCl=Hydrochloric acid, CS=Cu Sulfate, S=Sulfuric acid, N=Nitric acid, ZA=Zinc acetate, SH=Sodium Hydroxide

Tests Required 1 [illegible] H_2S, Pest / PCBs, [illegible] (1,2-Diphenylhydrazine)
2 Dissolved Cr3, Cr6

X - PLACE AN "X" IN THE BOX FOR SAMPLES TO BE SUBMITTED

System Lab Number	x	Sample ID	Sample Date	Sample Time	Comp	Grab	Cl_2 Screen (Cn, ABN, Vol)	Dechlorinated?	Sulfide Screen (Cn)	Cn	FC	EC	H_2S	Asb	BOD	P/P	TBT	Nonylphenol	1,2-Diphenylhydrazine	Cr3, Cr6	Br, Color	Sul	Sur	DS	Test Required	Notes
Preservative										SH			ZA,SH									ZA,SH				
		Outfall 001	4/20/11	1100		X	Pos / Neg	Yes / No	Pos / Neg	1		1	2			3	2		1	2					1,2,3,4	Do Pest / PCBs per attached list. For 1,2 Diphenylhydrazine, use Method 526 at QL = 0.1 ppb

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
WGB	4/2?/11	1320	[signature]	4/22/11	1320

Primary Laboratories
7423 Lee Davis Road
Mechanicsville, VA 23111
804-559-9004

Bottles Need – Cn, P/P, McAllen Hwy

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 10, 2011

Mr. Glenn Bishop
Dominion Environmental Biology
4111 Castlewood Road
Richmond, VA 23234

RE: Project: Gordonsville
Pace Project No.: 3045459

Dear Mr. Bishop:
Enclosed are the analytical results for sample(s) received by the laboratory on April 22, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carin A. Ferris

Carin Ferris for
Jacquelyn Collins
jacquelyn.collins@pacelabs.com
Project Manager

Enclosures

nelac

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Greensburg, PA 15601
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CERTIFICATIONS

Project: Gordonsville
Pace Project No.: 3045459

Pennsylvania Certification IDs
1638 Roseytown Road Suites 2,3&4, Greensburg, PA 15601
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/NELAC Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH 0694
Delaware Certification
Florida/NELAC Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/NELAC Certification #: E-10358
Kentucky Certification #: 90133
Louisiana/NELAC Certification #: LA080002
Louisiana/NELAC Certification #: 4086
Maine Certification #: PA0091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nevada Certification
New Hampshire/NELAC Certification #: 2976
New Jersey/NELAC Certification #: PA 051
New Mexico Certification
New York/NELAC Certification #: 10888
North Carolina Certification #: 42706
Oregon/NELAC Certification #: PA200002
Pennsylvania/NELAC Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/NELAC Certification #: T104704188-09 TX
Utah/NELAC Certification #: ANTE
Virgin Island/PADEP Certification
Virginia Certification #: 00112
Washington Certification #: C1941
West Virginia Certification #: 143
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

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SAMPLE SUMMARY

Project: Gordonsville
Pace Project No.: 3045459

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3045459001	**Gordonsville 001**	Water	04/20/11 11:00	04/22/11 09:30

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SAMPLE ANALYTE COUNT

Project: Gordonsville
Pace Project No.: 3045459

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3045459001	**Gordonsville 001**	EPA 900.0m	JC2	2	PASI-PA
		ASTM D5811-95	MBT	1	PASI-PA
		EPA 906.0	RMD	1	PASI-PA

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PROJECT NARRATIVE

Project: Gordonsville
Pace Project No.: 3045459

Method: **EPA 900.0m**
Description: 900.0 Gross Alpha/Beta
Client: Dominion Environmental Biology
Date: May 10, 2011

General Information:
1 sample was analyzed for EPA 900.0m. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Gordonsville
Pace Project No.: 3045459

Method: ASTM D5811-95
Description: 905.0 Strontium 89/90 Eichrom
Client: Dominion Environmental Biology
Date: May 10, 2011

General Information:
1 sample was analyzed for ASTM D5811-95. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: Gordonsville
Pace Project No.: 3045459

Method: EPA 906.0
Description: 906.0 Tritium
Client: Dominion Environmental Biology
Date: May 10, 2011

General Information:
1 sample was analyzed for EPA 906.0. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Gordonsville
Pace Project No.: 3045459

Sample: Gordonsville 001 **Lab ID: 3045459001** Collected: 04/20/11 11:00 Received: 04/22/11 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC)	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0m	**0.376 ± 0.871 (2.06)**	pCi/L	04/28/11 10:44	12587-46-1	
Gross Beta	EPA 900.0m	**1.77 ± 1.17 (2.23)**	pCi/L	04/28/11 10:44	12587-47-2	
Strontium-90	ASTM D5811-95	**0.0190 ± 0.421 (1.03)**	pCi/L	05/10/11 07:17	10098-97-2	
Tritium	EPA 906.0	**-18.7 ± 125 (223)**	pCi/L	04/30/11 17:14	10028-17-8	

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(724)850-5600

QUALITY CONTROL DATA

Project: Gordonsville
Pace Project No.: 3045459

QC Batch: RADC/8154
QC Batch Method: EPA 900.0m
Analysis Method: EPA 900.0m
Analysis Description: 900.0 Gross Alpha/Beta
Associated Lab Samples: 3045459001

METHOD BLANK: 291521
Matrix: Water
Associated Lab Samples: 3045459001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Gross Alpha	-0.392 ± 0.364 (1.56)	pCi/L	04/28/11 08:09	
Gross Beta	-0.338 ± 0.659 (1.81)	pCi/L	04/28/11 08:09	

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QUALITY CONTROL DATA

Project: Gordonsville
Pace Project No.: 3045459

QC Batch: RADC/8181
QC Batch Method: EPA 906.0
Analysis Method: EPA 906.0
Analysis Description: 906.0 Tritium
Associated Lab Samples: 3045459001

METHOD BLANK: 292390
Matrix: Water
Associated Lab Samples: 3045459001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Tritium	-39.6 ± 124 (222)	pCi/L	04/30/11 11:07	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Gordonsville
Pace Project No.: 3045459

QC Batch: RADC/8279
QC Batch Method: ASTM D5811-95
Associated Lab Samples: 3045459001

Analysis Method: ASTM D5811-95
Analysis Description: 905.0 Strontium 89/90 Eichrom

METHOD BLANK: 294627
Associated Lab Samples: 3045459001

Matrix: Water

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Strontium-90	0.0820 ± 0.635 (1.51)	pCi/L	05/10/11 07:07	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Gordonsville
Pace Project No.: 3045459

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty

(MDC) - Minimum Detectable Concentration

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

Attachment D

Stormwater Pollution Prevention Plan

STORMWATER POLLUTION PREVENTION PLAN

FOR THE

GORDONSVILLE POWER STATION

819 Hill Road
Gordonsville, VA 22942

Prepared by:
Dominion Generation
Electric Environmental Services & Projects

April 2012

Table of Contents

Appendices

D. Storm Water Monitoring Requirements

SWPPP Permit Cross Reference	I. General Storm Water Special Conditions	SWPPP Text Reference
1	a. Sample Type For all storm water monitoring required in Part I.A or other applicable sections of this permit, a minimum of one grab sample shall be taken. Unless otherwise specified, all such samples shall be collected from the discharge resulting from a storm event that occurs at least 72 hours from the previously measurable storm event (a "measurable storm event" is defined as a storm event that results in an actual discharge from the site). The required 72-hour storm event interval is waived where the permittee documents that less than a 72-hour interval is representative for local storm events during the season when sampling is being conducted. The grab sample shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is impracticable, a grab sample can be taken during the first hour of the discharge, and the permittee shall submit with the monitoring report a description of why a grab sample during the first 30 minutes was impracticable. If storm water discharges associated with industrial activity commingle with process or non-process water, then where practicable permittees must attempt to sample the storm water discharge before it mixes with the non-storm water discharge.	3.3
2	b. Recording of Results For each measurement or sample taken pursuant to the storm event monitoring requirements of this permit, the permittee shall record and report with the Discharge Monitoring Reports (DMRs) the following information: (1) The date and duration (in hours) of the storm event(s) sampled; (2) The rainfall total (in inches) of the storm event which generated the sampled discharge; and (3) The duration between the storm event sampled and the end of the previous measurable storm event. In addition, the permittee shall maintain a monthly log documenting the amount of rainfall received at this facility on a daily basis. A summarization of this information shall also be submitted with the DMRs.	3.3 & 7.2
3	c. Sampling Waiver When a permittee is unable to collect storm water samples required in Part I.A or other applicable sections of this permit within a specified sampling period due to adverse climatic conditions, the permittee shall collect a substitute sample from a separate qualifying event in the next period and submit these data along with the data for the routine sample in that period. Adverse weather conditions that may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).	3.3 & 7.2
4	d. Representative Discharges When a facility has two or more outfalls that discharge substantially identical effluents, based on similarities of the industrial activities, significant materials, size of drainage areas, and storm water management practices occurring within the drainage areas of the outfalls, the permittee may test the effluent of one of such outfalls and report that the quantitative data also apply to the substantially identical outfall(s) provided that: (1) the representative outfall determination has been approved by DEQ prior to data submittal; and, (2) the permittee includes in the storm water pollution prevention plan a description of the location of the outfalls and explains in detail why the outfalls are expected to discharge substantially identical effluents.	NA

5	e. Quarterly Visual Examination of Storm Water Quality (1) The permittee must perform and document a quarterly visual examination of a storm water discharge associated with industrial activity from each outfall, except discharges exempted below. The examination(s) must be made at least once in each of the following three-month periods: January through March, April through June, July through September, and October through December. The visual examination must be made during daylight hours (e.g., normal working hours). If no storm event resulted in runoff from the facility during a monitoring quarter, the permittee is excused from visual monitoring for that quarter provided that documentation is included with the monitoring records indicating that no runoff occurred. The documentation must be signed and certified in accordance with Part II.K (Signatory Requirements) of this permit. (2) Visual examinations must be made of samples collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging from the facility. The examination must document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution. The examination must be conducted in a well-lit area. No analytical tests are required to be performed on the samples. All samples (except snowmelt samples) must be collected from the discharge resulting from a storm event that results in an actual discharge from the site (defined as a "measurable storm event"), and that occurs at least 72 hours from the previously measurable storm event. The 72-hour storm interval is waived if the permittee is able to document that less than a 72-hour interval is representative for local storm events during the sampling period. Where practicable, the same individual should carry out the collection and examination of discharges for the entire permit term. If no qualifying storm event resulted in runoff during daylight hours from the facility during a monitoring quarter, the permittee is excused from visual monitoring for that quarter provided that documentation is included with the monitoring records indicating that no qualifying storm event occurred during daylight hours that resulted in storm water runoff during that quarter. The documentation must be signed and certified in accordance with Part II.K (Signatory Requirements) of this permit. (3) The visual examination reports must be maintained on-site with the Storm Water Pollution Prevention Plan (SWPPP). The report must include the outfall location, the examination date and time, examination personnel, the nature of the discharge (i.e., runoff or snow melt), visual quality of the storm water discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution), and probable sources of any observed storm water contamination. (4) If the facility has two or more outfalls that discharge substantially identical effluents, based on similarities of the industrial activities, significant materials, size of drainage areas, and storm water management practices occurring within the drainage areas of the outfalls, the permittee may conduct visual monitoring on the effluent of just one of the outfalls and report that the observations also apply to the substantially identical outfall(s), provided that the permittee includes in the storm water pollution prevention plan a description of the location of the outfalls and explains in detail why the outfalls are expected to discharge substantially identical effluents. In addition, for each outfall that the permittee believes is representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area (i.e., low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent)) shall be provided in the plan. (5) When the permittee is unable to conduct the visual examination due to adverse climatic conditions, the permittee must document the reason for not performing the visual examination and retain this documentation onsite with the records of the visual examinations. Adverse weather conditions that may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).	3.3 & Appendix E

6	f. Allowable Non-Storm Water Discharges (1) The following non-storm water discharges are authorized by this permit provided the non-storm water component of the discharge is in compliance with f(2) below.: (a) Discharges from fire fighting activities; (b) Fire hydrant flushings; (c) Potable water including water line flushings; (d) Uncontaminated air conditioning or compressor condensate; (e) Irrigation drainage; (f) Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions; (g) Pavement wash waters where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed); (h) Routine external building wash down which does not use detergents; (i) Uncontaminated ground water or spring water; (j) Foundation or footing drains where flows are not contaminated with process materials; (k) Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but NOT intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains); and (i) Demineralizer trailer drainage. (2) Except for flows from fire fighting activities, the Storm Water Pollution Prevention Plan must include: (a) Identification of each allowable non-storm water source; (b) The location where the non-storm water is likely to be discharged; and (c) Descriptions of appropriate BMPs for each source. (3) If mist blown from cooling towers is included as one of the allowable non-storm water discharges from the facility, the permittee must specifically evaluate the discharge for the presence of chemicals used in the cooling tower. The evaluation shall be included in the SWPPP.	3.2.2
7	g. Releases of Hazardous Substances or Oil in Excess of Reportable Quantities The discharge of hazardous substances or oil in the storm water discharge(s) from the facility shall be prevented or minimized in accordance with the storm water pollution prevention plan for the facility. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill. This permit does not relieve the permittee of the reporting requirements of 40 CFR 110, 40 CFR 117 and 40 CFR 302 or § 62.1-44.34:19 of the Code of Virginia. Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR 110, 40 CFR 117 or 40 CFR 302 occurs during a 24-hour period: (1) The permittee is required to notify the Department in accordance with the requirements of Part II.G (Reports of Unauthorized Discharges) of this permit as soon as he or she has knowledge of the discharge; (2) Where a release enters a municipal separate storm sewer system (MS4), the permittee shall also notify the owner or the MS4; and	2.2 & 4.2

	(3) The storm water pollution prevention plan required by this permit must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.	
8	h. Additional Requirements for Salt Storage Storage piles of salt or piles containing salt used for deicing or other commercial or industrial purposes shall be enclosed or covered to prevent exposure to precipitation. The permittee shall implement appropriate measures (e.g., good housekeeping, diversions, containment) to minimize exposure resulting from adding to or removing materials from the pile. All salt storage piles shall be located on an impervious surface. All runoff from the pile, and/or runoff that comes in contact with salt, including under drain systems, shall be collected and contained within a bermed basin lined with concrete or other impermeable materials., or within an underground storage tank(s), or within an above ground storage tank(s), or disposed of through a sanitary sewer (with the permission of the treatment facility). A combination of any or all of these methods may be used. In no case shall salt contaminated storm water be allowed to discharge directly to the ground or to state waters.	4.6
9	2. Storm Water Pollution Prevention Plan A storm water pollution prevention plan (SWPPP) for the facility was required to be developed and implemented under the previous permit. The existing storm water pollution prevention plan shall be reviewed and modified, as appropriate, to conform to the requirements of this section. Permittees shall implement the provisions of the storm water pollution prevention plan as a condition of this permit. The storm water pollution prevention plan requirements of this permit may be fulfilled, in part, by incorporating by reference other plans or documents such as a spill prevention control and countermeasure (SPCC) plan developed for the facility under Section 311 of the Clean Water Act, or best management practices (BMP) programs otherwise required for the facility, provided that the incorporated plan meets or exceeds the plan requirements of Part I.D.2.b (Contents of the Plan). All plans incorporated by reference into the storm water pollution prevention plan become enforceable under this permit. If a plan incorporated by reference does not contain all of the required elements of the SWPPP of Part I.D.2.b the permittee shall develop the missing SWPPP elements and include them in the required plan. a. Deadlines for Plan Preparation and Compliance (1) The facility shall prepare and implement the plan as expeditiously as practicable, but not later than 270 days from the effective date of the permit.	SWPPP NA
10	(2) Measures That Require Construction. In cases where construction is necessary to implement measures required by the plan, the plan shall contain a schedule that provides compliance with the plan as expeditiously as practicable, but no later than 3 years after the effective date of this permit. Where a construction compliance schedule is included in the plan, the schedule shall include appropriate nonstructural and/or temporary controls to be implemented in the affected portion(s) of the facility prior to completion of the permanent control measure.	4.5 & Appendix G
11	b. Contents of the Plan The contents of the SWPPP shall comply with the requirements listed below. The plan shall include, at a minimum, the following items: (1) Pollution Prevention Team. The plan shall identify the staff individuals by name or title that comprise the facility's storm water pollution prevention team. The pollution prevention team is responsible for assisting the facility or plant manager in developing, implementing, maintaining, revising, and ensuring compliance with the facility's SWPPP. Specific responsibilities of each staff individual on the team shall be identified and listed.	2.1

12	(2) Site Description. The plan shall include the following: (a) Activities at the Facility. A description of the nature of the industrial activities at the facility. (b) General Location Map. A general location map (e.g., USGS quadrangle or other map) with enough detail to identify the location of the facility and the receiving waters within one mile of the facility. (c) Site Map. A site map identifying the following: (i) The size of the property (in acres); (ii) The location and extent of significant structures and impervious surfaces (roofs, paved areas and other impervious areas); (iii) Locations of all storm water conveyances including ditches, pipes, swales, and inlets, and the directions of storm water flow (use arrows to show which ways storm water will flow); (iv) Locations of all existing structural and source control BMPs; (v) Locations of all surface water bodies, including wetlands; (vi) Locations of potential pollutant sources identified under Part I.D.2.b.3; (vii) Locations where significant spills or leaks identified under Part I.D.2.b.4 have occurred; (viii) Locations of the following activities where such activities are exposed to precipitation: fueling stations; vehicle and equipment maintenance and/or cleaning areas; loading/unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; processing and storage areas; access roads, rail cars and tracks; transfer areas for substances in bulk; and machinery; (ix) Locations of storm water outfalls and an approximate outline of the area draining to each outfall. and location of municipal storm sewer systems, if the storm water from the facility discharges to them; (x) Location and description of all non-storm water discharges; (xi) Location of any storage piles containing salt used for deicing or other commercial or industrial purposes; and (xii) Locations and sources of runon to the site from adjacent property. where the runon contains significant quantities of pollutants. The permittee shall include an evaluation with the SWPPP of how the quality of the storm water running onto the facility impacts the facility's storm water discharges. (d) Receiving Waters and Wetlands. The name of all surface waters receiving discharges from the site, including intermittent streams, dry sloughs, and arroyos. Provide a description of wetland sites that may receive discharges from the facility. If the facility discharges through a municipal separate storm sewer system (MS4), identify the MS4 operator, and the receiving water to which the MS4 discharges.	1.1 & Appendix A,B & C
13	(3) Summary of Potential Pollutant Sources. The plan shall identify each separate area at the facility where industrial materials or activities are exposed to storm water. Industrial materials or activities include, but are not limited to: material handling equipment or activities, industrial machinery, raw materials, industrial production and processes, intermediate products, byproducts, final products, and waste products. Material handling activities include, but are not limited to: the storage, loading and unloading, transportation, disposal, or conveyance of any raw material, intermediate product, final product or waste product. For each separate area identified, the description shall include: (a) Activities in Area. A list of the activities (e.g., material storage, equipment fueling and cleaning, cutting steel beams); and	All of 4.0

	(b) Pollutants. A list of the associated pollutant(s) or pollutant constituents (e.g., crankcase oil, zinc, sulfuric acid, cleaning solvents, etc.) for each activity. The pollutant list shall include all significant materials handled, treated, stored or disposed that have been exposed to storm water in the three years prior to the date this SWPPP was prepared or amended. The list shall include any hazardous substances or oil at the facility.	
14	(4) Spills and Leaks. The SWPPP shall clearly identify areas where potential spills and leaks that can contribute pollutants to storm water discharges can occur and their corresponding outfalls. The plan shall include a list of significant spills and leaks of toxic or hazardous pollutants that actually occurred at exposed areas, or that drained to a storm water conveyance during the three-year period prior to the date this SWPPP was prepared or amended. The list shall be updated if significant spills or leaks occur in exposed areas of the facility during the term of the permit. Significant spills and leaks include releases of oil or hazardous substances in excess of reportable quantities, and may also include releases of oil or hazardous substances that are not in excess of reporting requirements.	7.1 & Appendix C
15	(5) Sampling Data. The plan shall include a summary of existing storm water discharge sampling data taken at the facility. The summary shall include, at a minimum, any data collected during the previous permit term.	7.2 & Appendix D
16	(6) Storm Water Controls. (a) BMPs shall be implemented for all the areas identified in Part I.D.2.b.3 (Summary of Potential Pollutant Sources) to prevent or control pollutants in storm water discharges from the facility. All reasonable steps shall be taken to control or address the quality of discharges from the site that may not originate at the facility. The SWPPP shall describe the type, location and implementation of all BMPs for each area where industrial materials or activities are exposed to storm water. Selection of BMPs shall take into consideration: (i) That preventing storm water from coming into contact with polluting materials is generally more effective, and less costly, than trying to remove pollutants from storm water; (ii) BMPs generally shall be used in combination with each other for most effective water quality protection; (iii) Assessing the type and quantity of pollutants, including their potential to impact receiving water quality, is critical to designing effective control measures; (iv) That minimizing impervious areas at the facility can reduce runoff and improve groundwater recharge and stream base flows in local streams (however, care must be taken to avoid ground water contamination); (v) Flow attenuation by use of open vegetated swales and natural depressions can reduce in-stream impacts of erosive flows; (vi) Conservation or restoration of riparian buffers will help protect streams from storm water runoff and improve water quality; and (vii) Treatment interceptors (e.g., swirl separators and sand filters) may be appropriate in some instances to minimize the discharge of pollutants.	4.3, 4.4, 4.5, All of 5.0 & 6.0
17	(b) Control Measures. The permittee shall implement the following types of BMPs to prevent and control pollutants in the storm water discharges from the facility, unless it can be demonstrated and documented that such controls are not relevant to the discharges (e.g., there are no storage piles containing salt). (i) Good Housekeeping. The permittee shall keep clean all exposed areas of the facility that are potential sources of pollutants to storm water discharges. Typical problem areas include areas around trash containers, storage areas, loading docks, and vehicle fueling and maintenance areas. The plan shall include a schedule for regular pickup and disposal of waste materials, along with routine inspections for leaks and conditions of drums, tanks and containers. The introduction of	5.2.2 & 6.0

	raw, final or waste materials to exposed areas of the facility shall be minimized to the maximum extent practicable. The generation of dust, along with off-site vehicle tracking of raw, final or waste materials, or sediments, shall be minimized to the maximum extent practicable.	
18	(ii) Eliminating and Minimizing Exposure. To the extent practicable, industrial materials and activities shall be located inside, or protected by a storm-resistant covering to prevent exposure to rain, snow, snowmelt, and runoff. Note: Eliminating exposure at all industrial areas may make the facility eligible for the "Conditional Exclusion for No Exposure" provision of 9 VAC 25-31-120 E, thereby eliminating the need to have a permit.	5.2.3
19	(iii) Preventive Maintenance. The permittee shall have a preventive maintenance program that includes regular inspection, testing, maintenance and repairing of all industrial equipment and systems to avoid breakdowns or failures that could result in leaks, spill and other releases. This program is in addition to the specific BMP maintenance required under Part I.D.2.c (Maintenance of BMPs).	5.2.6
20	(iv) Spill Prevention and Response Procedures. The plan shall describe the procedures that will be followed for preventing and responding to spills and leaks. (a) Preventive measures include barriers between material storage and traffic areas, secondary containment provisions, and procedures for material storage and handling. (b) Response procedures shall include notification of appropriate facility personnel, emergency agencies, and regulatory agencies, and procedures for stopping, containing and cleaning up spills. Measures for cleaning up hazardous material spills or leaks shall be consistent with applicable RCRA regulations at 40 CFR Part 264 and 40 CFR Part 265. Employees who may cause, detect or respond to a spill or leak shall be trained in these procedures and have necessary spill response equipment available. If possible, one of these individuals shall be a member of the Pollution Prevention Team. (c) Contact information for individuals and agencies that must be notified in the event of a spill shall be included in the SWPPP, and in other locations where it will be readily available.	2.2 & 5.2.5
21	(v) Routine Facility Inspections. Facility personnel who possess the knowledge and skills to assess conditions and activities that could impact storm water quality at the facility, and who can also evaluate the effectiveness of BMPs shall regularly inspect all areas of the facility where industrial materials or activities are exposed to storm water. These inspections are in addition to, or as part of, the comprehensive site evaluation required under Part I.D.2.d. At least one member of the Pollution Prevention Team shall participate in the routine facility inspections. The inspection frequency shall be specified in the plan based upon a consideration of the level of industrial activity at the facility, but shall be a minimum of quarterly unless more frequent intervals are specified elsewhere in the permit or written approval is received from the Department for less frequent intervals. At least once each calendar year, the routine facility inspection must be conducted during a period when a storm water discharge is occurring. Any deficiencies in the implementation of the SWPPP that are found shall be corrected as soon as practicable, but not later than within 30 days of the inspection, unless permission for a later date is granted in writing by the Director. The results of the inspections shall be documented in the SWPPP, along with the date(s) and description(s) of any corrective actions that were taken in response to any deficiencies or opportunities for improvement that were identified.	3.4, 5.2.4, 7.3 & Appendix F
22	(vi) Employee Training. The permittee shall implement a storm water employee training program for the facility. The SWPPP shall include a schedule for all types of necessary training, and shall document all training sessions and the employees who received the training. Training shall be provided for all employees who work in areas where industrial materials or activities are exposed to storm water, and for employees who are responsible for implementing activities identified in the SWPPP (e.g., inspectors, maintenance personnel, etc.). The training shall cover the components and goals of the SWPPP, and include such topics as spill response, good	5.2.1

	housekeeping, material management practices, BMP operation and maintenance, etc. The SWPPP shall include a summary of any training performed.	
23	(vii) Sediment and Erosion Control. The plan shall identify areas at the facility that, due to topography, land disturbance (e.g., construction, landscaping, site grading), or other factors, have a potential for soil erosion. The permittee shall identify and implement structural, vegetative, and/or stabilization BMPs to prevent or control on-site and off-site erosion and sedimentation. Flow velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel if the flows would otherwise create erosive conditions.	4.5 & 5.0
24	(viii) Management of Runoff. The plan shall describe the storm water runoff management practices (i.e., permanent structural BMPs) for the facility. These types of BMPs are typically used to divert, infiltrate, reuse, or otherwise reduce pollutants in storm water discharges from the site. Structural BMPs may require a separate permit under § 404 of the CWA and the Virginia Water Protection Permit Program Regulation (9 VAC 25-210) before installation begins.	4.5 & 5.0
25	c. Maintenance All BMPs identified in the SWPPP shall be maintained in effective operating condition. Storm water BMPs identified in the SWPPP shall be observed during active operation (i.e., during a storm water runoff event) to ensure that they are functioning correctly. Where discharge locations are inaccessible, nearby downstream locations shall be observed. The observations shall be documented in the SWPPP. The SWPPP shall include a description of procedures and a regular schedule for preventive maintenance of all BMPs, and shall include a description of the back-up practices that are in place should a runoff event occur while a BMP is off-line. The effectiveness of nonstructural BMPs shall also be maintained by appropriate means (e.g., spill response supplies available and personnel trained, etc.). If site inspections required by Part I.D.2.b.6.b(v) (Routine Facility Inspections) or Part I.D.2.d (Comprehensive Site Compliance Evaluation) identify BMPs that are not operating effectively, repairs or maintenance shall be performed before the next anticipated storm event. If maintenance prior to the next anticipated storm event is not possible, maintenance shall be scheduled and accomplished as soon as practicable. In the interim, back-up measures shall be employed and documented in the SWPPP until repairs or maintenance is complete. Documentation shall be kept with the SWPPP of maintenance and repairs of BMPs, including the date(s) of regular maintenance, date(s) of discovery of areas in need of repair or replacement, and for repairs, date(s) that the BMP(s) returned to full function, and the justification for any extended maintenance or repair schedules.	5.3
26	d. Comprehensive Site Compliance Evaluation The permittee shall conduct comprehensive site compliance evaluations at least once a year. The evaluations shall be done by qualified personnel who possess the knowledge and skills to assess conditions and activities that could impact storm water quality at the facility, and who can also evaluate the effectiveness of BMPs. The personnel conducting the evaluations may be either facility employees or outside constituents hired by the facility. (1) Scope of the Compliance Evaluation. Evaluations shall include all areas where industrial materials or activities are exposed to storm water, as identified in Part I.D.2.b.3. The personnel shall evaluate: (a) Industrial materials, residue or trash that may have or could come into contact with storm water; (b) Leaks or spills from industrial equipment, drums, barrels, tanks or other containers that have occurred within the past three years; (c) Off-site tracking of industrial or waste materials or sediment where vehicles enter or exit the site;	3.5, 7.4 & Appendix D

(d) Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas;

(e) Evidence of, or the potential for, pollutants entering the drainage system;

(f) Evidence of pollutants discharging to surface waters at all facility outfalls, and the condition of and around the outfall, including flow dissipation measures to prevent scouring;

(g) Review of training performed, inspections completed, maintenance performed, quarterly visual examinations, and effective operation of BMPs;

(h) Results of both visual and any analytical monitoring done during the past year shall be taken into consideration during the evaluation

(2) Based on the results of the evaluation, the SWPPP shall be modified as necessary (e.g., show additional controls on the map required by Part I.D.2.b.2.c; revise the description of controls required by Part I.D.2.b.6 to include additional or modified BMPs designed to correct problems identified). Revisions to the SWPPP shall be completed within 30 days following the evaluation, unless permission for a later date is granted in writing by the Director. If existing BMPs need to be modified or if additional BMPs are necessary, implementation shall be completed before the next anticipated storm event, if practicable, but not more than 60 days after completion of the comprehensive site evaluation, unless permission for a later date is granted in writing by the Department;

(3) Compliance Evaluation Report. A report shall be written summarizing the scope of the evaluation, name(s) of personnel making the evaluation, the date of the evaluation, and all observations relating to the implementation of the SWPPP, including elements stipulated in Part I.D.2.d.1.a through Part I.D.2.d.1.f above. Observations shall include such things as: the location(s) of discharges of pollutants from the site; location(s) of previously unidentified sources of pollutants; location(s) of BMPs that need to be maintained or repaired; location(s) of failed BMPs that need replacement; and location(s) where additional BMPs are needed. The report shall identify any incidents of noncompliance that were observed. Where a report does not identify any incidents of noncompliance, the report shall contain a certification that the facility is in compliance with the SWPPP and this permit. The report shall be signed in accordance with Part II. K (Signatory Requirements) of this permit and maintained with the SWPPP.

(4) Where compliance evaluation schedules overlap with routine inspections required under Part I.D.2.b.6.b(v), the annual compliance evaluation may be used as one of the routine inspections.

27 e. Signature and Plan Review

Page i.

(1) Signature/Location. The SWPPP shall be signed in accordance with Part II.K (Signatory Requirements) of this permit, dated, and retained on-site at the facility covered by this permit in accordance with Part II.B.2 (Records) of this permit. All other changes to the SWPPP, and other permit compliance documentation, must be signed and dated by the person preparing the change or documentation.

(2) Availability. The permittee shall make the SWPPP, annual site compliance evaluation report, and other information available to the Department upon request.

(3) Required Modifications. The Director may notify the permittee at any time that the SWPPP, BMPs, or other components of the facility's storm water program do not meet one or more of the requirements of this permit. The notification shall identify specific provisions of the permit that are not being met, and may include required modifications to the storm water program, additional monitoring requirements, and special reporting requirements. The permittee shall make any required changes to the SWPPP within 60 days of receipt of such notification, unless permission for a later date is granted in writing by the Director, and shall submit a written certification to the Director that the requested changes have been made.

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f. Maintaining an Updated SWPPP

7.6

(1) The permittee shall review and amend the SWPPP as appropriate whenever:

(a) There is construction or a change in design, operation, or maintenance at the facility that has a significant effect on the discharge, or the potential for the discharge, of pollutants from the facility;

(b) Routine inspections or compliance evaluations determine that there are deficiencies in the BMPs;

(c) Inspections by local, state, or federal officials determine that modifications to the SWPPP are necessary;

(d) There is a spill, leak or other release at the facility; or

(e) There is an unauthorized discharge from the facility.

(2) SWPPP modifications shall be made within 30 calendar days after discovery, observation or event requiring a SWPPP modification. Implementation of new or modified BMPs (distinct from regular preventive maintenance of existing BMPs described in Part I.D.2.b.6.b(iii) shall be initiated before the next storm event if possible, but no later than 60 days after discovery, or as otherwise provided or approved by the Director. The amount of time taken to modify a BMP or implement additional BMPs shall be documented in the SWPPP.

(3) If the SWPPP modification is based on a release or unauthorized discharge, include a description and date of the release, the circumstances leading to the release, actions taken in response to the release, and measures to prevent the recurrence of such releases. Unauthorized releases and discharges are subject to the reporting requirements of Part II.G (Reports of Unauthorized Discharges) of this permit.

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4. Sector-Specific Storm Water Management Conditions – Steam Electric Power Generating Facilities

1.1 & Appendix A,B & C

In addition to the requirements of Part I.D.2 and Part I.D.3, the Storm Water Pollution Prevention Plan shall include, at a minimum, the following items.

a. Site description. Site map. The site map shall identify the locations of any of the following activities or sources that may be exposed to precipitation/surface runoff: storage tanks, scrap yards, general refuse areas; short and long term storage of general materials (including, but not limited to: supplies, construction materials, paint equipment, oils, fuels, used and unused solvents, cleaning materials, paint, water treatment chemicals, fertilizer, and pesticides); landfills; construction sites; and stock pile areas (such as coal or limestone piles).

30

b. Storm water controls.

6.0

1. Good housekeeping measures.

(a) Fugitive dust emissions. The permittee shall describe and implement measures that prevent or minimize fugitive dust emissions from coal handling areas. The permittee shall consider establishing procedures to minimize off-site tracking of coal dust such as installing specially designed tires, or washing vehicles in a designated area before they leave the site, and controlling the wash water.

(b) Delivery vehicles. The plan shall describe measures that prevent or minimize contamination of storm water runoff from delivery vehicles arriving on the plant site. At a minimum the permittee shall consider the following:

(1) Develop procedures for the inspection of delivery vehicles arriving on the plant site, and ensure overall integrity of the body or container; and

(2) Develop procedures to deal with leakage/spillage from vehicles or containers.

(c) Fuel oil unloading areas. The plan shall describe measures that prevent or minimize contamination of precipitation/surface runoff from fuel oil unloading areas. At a minimum the permittee shall consider using the following measures, or an equivalent:

(1) Use of containment curbs in unloading areas;

(2) During deliveries, having station personnel familiar with spill prevention and response procedures present to ensure that any leaks/spills are immediately contained and cleaned up; and

(3) Use of spill and overflow protection (e.g., drip pans, drip diapers, and/or other containment devices placed beneath fuel oil connectors to contain potential spillage during deliveries or from leaks at the connectors).

(d) Chemical loading/unloading areas. The permittee shall describe and implement measures that prevent or minimize the contamination of precipitation/surface runoff from chemical loading/unloading areas. At a minimum the permittee shall consider using the following measures (or their equivalents):

(1) Use of containment curbs at chemical loading/unloading areas to contain spills;

(2) During deliveries, having station personnel familiar with spill prevention and response procedures present to ensure that any leaks/spills are immediately contained and cleaned up; and

(3) Covering chemical loading/unloading areas, and storing chemicals indoors.

(e) Miscellaneous loading/unloading areas. The permittee shall describe and implement measures that prevent or minimize the contamination of storm water runoff from loading and unloading areas. The permittee shall consider the following, at a minimum (or their equivalents):

(1) covering the loading area;

(2) grading, berming, or curbing around the loading area to divert runon; or

(3) locating the loading/unloading equipment and vehicles so that leaks are contained in existing containment and flow diversion systems.

(f) Liquid storage tanks. The permittee shall describe and implement measures that prevent or minimize contamination of storm water runoff from aboveground liquid storage tanks. At a minimum the permittee shall consider employing the following measures (or their equivalents):

(1) Use of protective guards around tanks;

(2) Use of containment curbs;

(3) Use of spill and overflow protection; and

(4) Use of dry cleanup methods.

(g) Large bulk fuel storage tanks. The permittee shall describe and implement measures that prevent or minimize contamination of storm water runoff from large bulk fuel storage tanks. At a minimum the permittee shall consider employing containment berms (or its equivalent). The permittee shall also comply with applicable state and federal laws, including Spill Prevention Control and Countermeasures (SPCC).

(h) Spill reduction measures. The permittee shall describe and implement measures to reduce the potential for an oil/chemical spill, or reference the appropriate section of their SPCC plan. At a minimum the structural integrity of all aboveground tanks, pipelines, pumps and other related equipment shall be visually inspected on a weekly basis. All repairs deemed necessary based on the findings of the inspections shall be completed immediately to reduce the incidence of spills and leaks occurring from such faulty equipment.

	(i) Oil bearing equipment in switchyards. The permittee shall describe and implement measures to prevent or minimize contamination of surface runoff from oil bearing equipment in switchyard areas. The permittee shall consider the use of level grades and gravel surfaces to retard flows and limit the spread of spills, and the collection of storm water runoff in perimeter ditches. (j) Residue hauling vehicles. All residue hauling vehicles shall be inspected for proper covering over the load, adequate gate sealing and overall integrity of the container body. Vehicles without load coverings or adequate gate sealing, or with leaking containers or beds shall be repaired as soon as practicable. (k) Ash loading areas. The permittee shall describe and implement procedures to reduce or control the tracking of ash/residue from ash loading areas where practicable, clear the ash building floor and immediately adjacent roadways of spillage, debris and excess water before departure of each loaded vehicle. (l) Areas adjacent to disposal ponds or landfills. The permittee shall describe and implement measures that prevent or minimize contamination of storm water runoff from areas adjacent to disposal ponds or landfills. The permittee shall develop procedures to: (1) Reduce ash residue which may be tracked on to access roads traveled by residue trucks or residue handling vehicles; and (2) Reduce ash residue on exit roads leading into and out of residue handling areas. (m) Landfills, scrapyards, surface impoundments, open dumps, general refuse sites. The plan shall address and include appropriate BMPs for landfills, scrapyards, surface impoundments, open dumps and general refuse sites. (n) Vehicle maintenance activities. For vehicle maintenance activities performed on the plant site, the permittee shall use the applicable BMPs outlined in Sector P (9 VAC 25-151-230). (o) Material storage areas. The permittee shall describe and implement measures that prevent or minimize contamination of storm water runoff from material storage areas (including areas used for temporary storage of miscellaneous products, and construction materials stored in lay-down areas). The permittee shall consider the use of the following measures (or their equivalents): flat yard grades; runoff collection in graded swales or ditches; erosion protection measures at steep outfall sites (e.g., concrete chutes, riprap, stilling basins); covering lay-down areas; storing materials indoors; and covering materials temporarily with polyethylene, polyurethane, polypropylene, or hypalon. Storm water runon may be minimized by constructing an enclosure or building a berm around the area.	
31	2. Comprehensive site compliance evaluation. As part of the evaluation, qualified facility personnel shall inspect the following areas on a monthly basis: coal handling areas, loading/unloading areas, switchyards, fueling areas, bulk storage areas, ash handling areas, areas adjacent to disposal ponds and landfills, maintenance areas, liquid storage tanks, and long term and short term material storage areas.	3.4, 7.3 & Appendix F

CERTIFICATION OF SWPPP & NON-STORM WATER DISCHARGES

VA0087033, Part I, D.2.e.: Signature and Plan Review. *(SWPPP Cross Reference #27)*

The storm water Outfall 901 is the Emergency Overflow Discharge for the Waste Water Treatment Facility's Retention Pond (WWTFRP). The WWTFRP discharges via Outfall 001 under normal operating conditions. Outfall 001 is currently monitored in accordance with VPDES permit VA0087033 requirements. Since Outfall 001 is permitted as a waste water discharge, it is a "Non-Storm Water Discharge". Therefore normal Non-Storm Water Discharge Certification cannot be conducted for Outfall 901.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature:	J Andrew Hight	Date: 5/25/2012
Printed Name:	J. Andrew Hight	
Title:	Plant Manager	

ACRONYMS

BMPs = Best Management Practices
CFR = Code of Federal Regulations
COD = Chemical Oxygen Demand
CT = Combustion Turbine
FRP = Facility Response Plan
GPS = Gordonsville Power Station
HazMat = Hazardous Material
HRSG = Heat Recovery Steam Generator
Mg/L = Milligrams per Liter
MSDS = Material Safety Data Sheets
N/A = Not Applicable
NPDES = National Pollutant Discharge Elimination System
ODCP = Oil Discharge Contingency Plan
OP = Operating Procedure
OWS = Oil Water Separator
RCRA = Resource Conservation Recovery Act
RSA = Rapidan Service Authority
SPCC = Spill Prevention Control and Countermeasure
ST = Steam Turbine
SWPPP = Storm Water Pollution Prevention Plan
TSS = Total Suspended Solids
Universal Waste = Defined in 40 CFR Part 273 (e.g. batteries, lamps, mercury containing equipment and pesticides)
USGS = United States Geological Survey
VDEQ = Virginia Department of Environmental Quality
VPDES = Virginia Pollutant Discharge Elimination System
WWTFRP = Wastewater Treatment Facility Retention Pond

1.0 FACILITY INFORMATION

1.1 Facility Description - General

VA0087033, Part I, D.2.b.(2): Contents of Plan – Site Description. *(SWPPP Cross Reference #12)*
VA0087033, Part I, D.4.a.: Sector Specific Storm Water Management Conditions – Steam Electric Power Generating Facilities – Site Description. *(SWPPP Cross Reference #29)*

The facility is Dominion Generation's Gordonsville Power Station. A site vicinity map, utilizing a USGS 7.5-minute topographic quadrangle, is included in Appendix A. A facility site plan, which marks the location and contents of each container, is included in Appendix B. A drainage map, which delineates the drainage areas, is included in Appendix C.

The site is bounded by the RSA to the east, the CSX railroad to the north, the South Anna River and a water-filled quarry site to the west, and undeveloped land toward the south. GPS is not located on navigable waters and cannot be reached by vessel. The site elevation is 447 feet above mean sea level, which is above the 100-year floodplain, to protect the facility from flooding. The 100-year flood elevation varies from elevation 440 to 446 feet above mean sea level.

The construction of the GPS fuel oil storage facility was completed in December 1993. The plant underwent several months of testing and began commercial operation in June 1994. The plant is an electric utility facility. The facility is a dual fuel-fired, combined-cycle nominal 240-MW power generation facility that uses natural gas as its primary fuel. In the event that the gas supply is interrupted, No. 2 fuel oil is used. A 5,000,000-gallon above ground storage tank for No. 2 fuel oil was incorporated in the facility design for supply of backup fuel. This storage volume is sufficient for providing approximately 10 days of No. 2 fuel oil at maximum generation. Each unit consumes approximately 6,000 gallons of No.2 fuel oil per hour at full load. GPS began filling the No. 2 fuel oil tank January 6, 1994.

The fuel oil storage tank is situated in the northeastern corner of the GPS property. A wooded wetland area lies approximately 65 feet east of the fuel oil tank.

1.2 Facility Owner and Operator

Facility Operator:	Dominion Generation	Owner Name:	Virginia Electric and Power Co.
Address:	819 Hill Road Gordonsville, VA 22942	Address:	5000 Dominion Blvd. Glen Allen, VA 23060
Telephone:	(540) 832-3432 ext. 330 Control Room	Telephone:	804-241-8938 Mr. Joe Leslie

2.0 CONTACTS & TEAM MEMBERS

2.1 Pollution Prevention Team

VA0087033, Part I, D.2.b.: Contents of Plan - Pollution Prevention Team: *(SWPPP Cross Reference #11)*

Name	Title	Contact Number
J. Andrew Hight	Plant Manager (1)	(540) 832-3432 x 302
Troy Schrank	Plant Engineer (2)(5)	(540) 832-3432 x 306
Lisa Birckhead	Plant Administrator (2)(5)	(540) 832-3432 x 301
Joe Leslie	Technical Consultant (3)	(804) 241-8938
Rick Woolard	Environmental Specialist III (4)	(804) 273-2991
VARIOUS	Shift Team Leaders (5)	(540) 832-3432 x 330
VARIOUS	Plant Technician (5)	(540) 832-3432 x 330

(1) RESPONSIBLE PERSON FOR OVERALL COORDINATION AND DEVELOPMENT.
(2) RESPONSIBLE PERSON FOR IMPLEMENTATION, TRAINING, AND REVISIONS TO PLAN.
(3) RESPONSIBLE PERSON FOR COORDINATION OF CORPORATE ENVIRONMENTAL AND STATION REQUIREMENTS.
(4) RESPONSIBLE PERSON FOR PERMIT INTERPRETATION.
(5) RESPONSIBLE PERSON(S) FOR CONDUCTING INSPECTIONS.

2.2 Spill Prevention and Response

VA0087033, Part I, D.1.g.: Releases of Hazardous Substances or Oil in Excess of Reportable Quantities *(SWPPP Cross Reference #7)*
VA0087033, Part I, D.2.b.(6)(b)(iv): Spill Prevention and Response Procedures *(SWPPP Cross Reference #20)*

The GPS Plant Manager, Plant Engineer, and Operation & Maintenance Manager are on call 24hrs a day 7days a week. The Station's Operator(s) are to contact either manager or engineer in the event of a spill and/or leak.

The EPA FRP/SPCC/ VA ODCP (which are found under separate cover at the Station) reference the appropriate actions for oil spills/leaks. For chemical incident response, please refer to the Station's procedure "SMP – 2 Emergency Contingency Plan".

Station personnel responsible for Station Operations will then evaluate the situation and determine the remainder of contacts that need to be made.

Person or Agency	Telephone Number
Plant Manager	(540) 832-3432 x 302
Plant Engineer	(540) 832-3432 x 306
Plant Administrator	(540) 832-3432 x 301
Operation & Maintenance Manager	(540) 832-3432 x 304
Technical Consultant	(804) 241-8938
VA Department of Environmental Quality (DEQ)	Daytime (703) 583-3864
VA Department of Emergency Services	(800) 468-8892 24-hour

National Response Center (NRC)	(800) 424-8802 24-hour
Local Emergency Response	911

2.3 POTW City Notification Requirement

N/A – The plant discharges sanitary wastewater to the Rapidan Service Authority (RSA).

3.0 SAMPLING / MONITORING AND INSPECTION REQUIREMENTS

3.1 Summary of Outfalls

The Station's individual VPDES Permit VA0087033 encompasses both storm water and non-storm water outfalls. The Station has one storm water outfall (901) which discharges emergency overflow from the Waste Water Treatment Facility's Retention Pond through outfall 001 to the South Anna River.

The VPDES permits and historical sampling data are maintained under separate cover at the Station in VPDES permit files. A summary of the storm water test results collected during the current permits term are kept in the Station's files. The non-storm water discharges are described in section 3.2.

Discharge Point 901: Outfall 901 is the emergency overflow discharge for the Waste Water Treatment Facility's Retention Pond. Per VPDES permit VA0087033, storm water samples are to only be taken when the emergency overflow discharges. The Waste Water Treatment Facility's Retention Pond's water level is inspected and operated to maintain sufficient levels to prevent overflow events.

3.2 Non-Storm Water Discharges

GPS's non-storm water discharges are permitted by the VDEQ under Individual Industrial Minor VPDES permit No. VA0087033. The Station has one outfall that discharges to the South Anna River, Outfall 001. Outfall 001 is a collection of internal discharges (101-boiler blowdown and 103 and 104 OWS systems) that each have their own monitoring requirements in addition to a minor amount of storm water which enters the Station's drainage system. The Station (except for the switchyard, administrative building and the fuel oil storage tank area) is surrounded by an asphalt paved road. The drainage system is located along and within the asphalt paved road and consists of a sloped gravel bed with trench drains which discharges to the WWTFRP.

In addition, the fuel oil unloading area, the fuel oil tank containment, the steam turbine lube oil tank containments, and the duct drain pits all route storm water through the OWS systems, internal outfalls 103 and 104, and into to the WWTFRP. From the WWTFRP, a discharge valve can be opened to allow flow through external outfall 001 into the South Anna River. At outfall 001, riprap is in place to prevent erosion.

Discharge Point 001: Discharges the WWTFRP to the South Anna River.
Discharge Point 101: Internal discharge from Boiler Blowdown (Low Volume Waste) to WWTFRP.Discharge Point 103: Internal discharge from Unit 1 OWS (Low Volume Waste) to WWTFRP.
Discharge Point 104: Internal discharge from Unit 2 OWS (Low Volume Waste) to WWTFRP.

3.2.1 Certification of Non-Storm Water Discharges

The non-storm water discharge certification explanation is included after the SWPPP Permit Reference table on page xv. Outfall 001 is identified as a non-storm water discharge and permitted under the same VPDES VA0087033 and has separate analytical monitor requirements than the Storm Water requirements.

3.2.2 Allowable Non-Storm Water Discharges

VA0087033, Part I, D.1.f.: Allowable Non-Storm Water Discharges. *(SWPPP Cross Reference #6)*

In addition to the above discharges, the facility is permitted under the same above-referenced permit in Part I.D.1.f.(1)., page 10 of 21, for the following "Allowable Non-storm Water Discharges". Please refer to Appendix C for the allowable sources drainage locations.

- Discharge from fire fighting activities;
- Fire Hydrant Flushing;
- Potable water including water line flushing's;
- Uncontaminated air conditioning or compressor condensate;
- Irrigation drainage;
- Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions;
- Pavement wash water where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled materials has been removed);
- Routine external building wash down which does not use detergents;
- Uncontaminated ground water or spring water;
- Foundation or footing drains where flows are not contaminated with process materials such as solvents.
- Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but NOT intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains).
- Demineralizer trailer drainage

Please refer to Attachment C drainage map for the allowable non-storm water drainage locations. The above allowable non-storm water discharges are reviewed during the station's annual storm water training as part of the station's BMP to ensure personnel understand the discharge restrictions. None of the above Allowable Non-Storm Water sources currently require specific BMPs. For details on the Storm Water BMPs being utilized at Gordonsville Power Station please refer to Section 5.0 of this plan.

3.3 Monitoring Requirements

VA0087033, Part I,D.1.a.: Sample Type – *(SWPPP Cross Reference #1)*
VA0087033, Part I,D.1.b.: Recording Results – *(SWPPP Cross Reference #2)*
VA0087033, Part I,D.1.c.: Sampling Waiver – *(SWPPP Cross Reference #3)*
VA0087033, Part I,D.1.e: Quarterly Visual Examinations of Storm Water Quality – *(SWPPP Cross Reference #5)*

EFFLUENT MONITORING PARAMETERS OF VPDES PERMIT

Discharge Characteristics	Monitoring Frequency	VDPES Permit # VA0087033 Monitoring Location
Flow (Gallons)	Once Per Discharge	Outfall 901
pH (S.U.)	Once Per Discharge	Outfall 901
Total Suspended Solids (TSS)	Once Per Discharge	Outfall 901
Oil and Grease	Once Per Discharge	Outfall 901
Total Petroleum Hydrocarbons	Once Per Discharge	Outfall 901
Chemical Oxygen Demand	Once Per Discharge	Outfall 901
Iron, Total Recoverable	Once Per Discharge	Outfall 901

QUALITATIVE MONITORING PARAMETERS OF VPDES PERMIT

Discharge Characteristics	Monitoring Frequency	VDPES Permit # VA0083399 Monitoring Location
Color	Quarterly	Outfall 901
Odor	Quarterly	Outfall 901
Clarity	Quarterly	Outfall 901
Floating Solids	Quarterly	Outfall 901
Settled Solids	Quarterly	Outfall 901
Suspended Solids	Quarterly	Outfall 901
Foam	Quarterly	Outfall 901
Oil Sheen	Quarterly	Outfall 901

NOTE: PERMIT REQUIRES A DAILY LOG OF RAIN EVENTS TO BE MAINTAINED.

3.4 SWPPP Inspection Requirements

VA0087033, Part I, D.2.b.(6)(b)(v): Routine Facility Inspections. *(SWPPP Cross Reference #21)*

Housekeeping inspections include weekly inspections of oil storage and handling equipment as well as the ammonia systems, and chemical storage, material inventory, and containment. Housekeeping inspections are performed by pollution prevention team members. Work Orders are written to track maintenance items that require corrective action. These Work Orders are closed out upon completion of the corrective action. A copy of the inspection records are maintained in station files and can be provided upon request.

Inspections of material storage areas are performed monthly by the Plant Engineer or other member of pollution prevention team. Records of the inspections are kept in the station files. For examples of inspection forms, please refer to Appendix F.

To meet the intent of VPDES permit Condition D.2.b.(6)(b)(v) and since Outfall 901 does not discharge under normal conditions, the site will conduct at least one inspection during a rain event annually.

3.5 Comprehensive Site Compliance Evaluation

VA0087033, Part I, D.2.b.(6)d.: Comprehensive Site Compliance Evaluation. *(SWPPP Cross Reference #26)*

The SWPPP shall be reviewed and updated on an **Annual** basis. For records of annual reviews, see section 7.4 and/or Appendix D.

Note: The permit requires the SWPPP to be amended within 30 days of the Annual evaluation and 60 days to implement the Action Items unless VDEQ approves a written time extension request.

4.0 POTENTIAL POLLUTANT SOURCES

VA0087033, Part I, D.2.b.(3): Summary of Potential Pollutant Sources. *(SWPPP Cross Reference #13)*

A SWPPP evaluation and associated SPCC Plan updating reviews identify the following equipment and areas that could potentially impact storm water as a result of spills during oil or chemical transfer operations. The likelihood is low and is primarily associated with storm drain vicinity to the equipment/operation. Please refer to Appendix C for general sheet flow direction.

These areas represent the most likely areas where storm water could be impacted.

The balance of potential exposure would be limited to catastrophic equipment damage or loss including loss of secondary containment. Refer to the FRP/ODCP/SPCC Comprehensive Plan for the oil related equipment. The oil plans are maintained under separate cover and it has a list of predicted quantity losses from all equipment assuming loss of secondary containment capacity.

4.1 Summary of Potential Pollutant Sources

Area **(For a list of all potential oil related equipment containing ≥ 55 gallons, see FRP/ODCP/SPCC)**	**Activity**	**Pollutant(s) or Pollutant Parameter(s)**
FUEL OIL BOOSTER PUMP SKID: (Adjacent to both Unit 1 & 2 HRSG)	Transfer	POLLUTANT: No. 2 Fuel Oil DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low
CT TURBINE SUMPS: (Adjacent to both Unit 1 & 2 CTs)	Transfer	POLLUTANT: Turbine Wash Water DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low
STEAM TURBINES:	Storage	POLLUTANT: Lube Oil (Mobile DT 832) DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low
SULFURIC ACID STORAGE BUILDING:	Storage & Transfer	POLLUTANT: Sulfuric Acid DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low
AQUEOUS AMMONIA TANK AND UNLOADING AREA: Adjacent to HRSG Unit #2	Storage, Unloading & Transfer	POLLUTANT: Aqueous Ammonia DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low
AQUEOUS AMMONIA DILUTION SKIDS: Adjacent to HRSG Unit #1 & 2.	Transfer	POLLUTANT: Aqueous Ammonia DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low
NEUTRALIZING AMINE STORAGE TOTES: West of Air Cooled Condensers	Storage & Unloading	POLLUTANT: Steamate NA0660 (Methoxypropylamine and Cyclohexylamine) DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low
OXYGEN SCAVENGER STORAGE TOTES: East of Air Cooled Condensers	Storage & Unloading	POLLUTANT: Cor-trol OS7780 DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low
PHOSPHATE CONTROL STORAGE TOTES: Adjacent to HRSG Unit #1 and HRSG Unit #2	Storage & Unloading	POLLUTANT: Optisperse HP 3100 DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low
LAYDOWN AREA:	Storage	POLLUTANT: Scrap Metal DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: Low
GENERAL REFUSE DUMPSTER AREA:	Storage & Loading	POLLUTANT: General Refuse DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low

PORTABLE RESTROOMS:	Loading	POLLUTANT: Sewage Sludge DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Low

4.2 Description of EPRCA § 313 Inventory

VA0087033, Part I, D.1.g.: Releases of Hazardous Substances or Oil in Excess of Reportable Quantities *(SWPPP Cross Reference #7)*

This Facility generates electricity by burning Fuel Oil and therefore the relevant EPCRA 313 (TRI) pollutants are typically associated with burning Fuel Oil. A TRI report is submitted on an annual basis and identifies all TRI chemicals that may be released to Air, Land and Water. Copies of the Annual TRI reports are filed in the Station's Environmental files and available upon request.

4.3 Site Bulk Chemicals/ Materials

VA0087033, Part I, D.2.b.(6)(a): Strom Water Controls *(SWPP Cross Reference #16)*

Chemical / Material Storage / Accessories

Material	Storage Capacity (Gallons)	Secondary Containment (Gallons)
SULFURIC ACID STORAGE BUILDING: - Sulfuric Acid (Map Key #S1)	110 Gal.	Concrete Curbing : ≥ 120 gallons
AQUEOUS AMMONIA TANK: - Aqueous Ammonia (Map Key #S2)	25,000 Gal.	Concrete Curbing: ≥ 27,500 gallons
NEUTRALIZING AMINE STORAGE TOTES: - Neutralizing Amine (Map Key #S3)	2 - 300 Gal.	Concrete Curbing: ≥ 440 gallons
OXYGEN SCAVENGER STORAGE TOTES: - Oxygen Scavenger (Map Key #S4)	2 - 400 Gal.	Concrete Curbing: ≥ 440 gallons
PHOSPHATE CONTROL STORAGE TOTES: - Phosphate Control (Map Key #S5)	2 - 400 Gal.	Concrete Curbing: ≥ 440 gallons
LAYDOWN AREA: (Map Key #S6)	Various	Materials are placed inside the Facility's perimeter drainage ditch system that directs flows to the WWTFRP.

Chemical / Material Storage / Accessories		
Material	**Storage Capacity (Gallons)**	**Secondary Containment (Gallons)**
GENERAL REFUSE DUMPSTER AREA: (Map Key #S7)	Various Dumpsters	All containers are placed inside the Facility's perimeter drainage ditch system that directs flows to the WWTFRP.
STEAM TURBINES: - Lube Oil (Map Key #S8)	3 -10 Gal.	The lube oil skid is equipped with concrete secondary containment and located inside the Facility's perimeter drainage ditch system that directs flows to the WWTFRP.

Chemical & Material Unloading & Transfer Facilities		
Material Unloading/Transfer	**Spill Potential (Volume)**	**Structural BMPs Secondary Containment (Gallons)**
FUEL OIL BOOSTER PUMP SKID: - #2 Fuel Oil (Map Key #S34)	1 – 5 Million Gal. 10 – 450 gpm	Any released oil would discharge to the WWTFRP.
CT TURBINE SUMPS - Turbine Wash Water (Map Key #S9)	1 – 350 gallons 13 gpm	Any released Turbine Wash Water would discharge to the WWTFRP.
AQUEOUS AMMONIA UNLOADING AREA: - Aqueous Ammonia (Map Key #S2)	1 – 25,000 gallons at 10 gpm	Unloading area has a drainage grate which discharges to the WWTFRP. Written procedure GPS-OPS-620.
NEUTRALIZING AMINE STORAGE TOTES: - Neutralizing Amine (Map Key #S3)	1 – 400 gallons at 10 gpm	Water treatment chemicals are unloaded and stored within the Station drainage system. Any released chemicals would discharge to the WWTFRP. Written procedure POP-CH-01.
OXYGEN SCAVENGER STORAGE TOTES: - Oxygen Scavenger (Map Key # S4)	1 – 400 gallons at 10 gpm	Water treatment chemicals are unloaded and stored within the Station drainage system. Any released chemicals would discharge to the WWTFRP. Written procedure POP-CH-01.
PHOSPHATE CONTROL STORAGE TOTES: - Phosphate Control (Map Key # S5)	1 – 400 gallons at 10 gpm	Water treatment chemicals are unloaded and stored within the Station drainage system. Any released chemicals would discharge to the WWTFRP. Written procedure POP-CH-01.

Chemical & Material Unloading & Transfer Facilities		
GENERAL REFUSE DUMPSTER AREA: (Map Key #S7)	Various	All containers are placed inside the Facility's perimeter drainage ditch system that directs flows to the WWTFRP.
PORTABLE RESTROOMS: (Map Key #S10)	300 gallons	Located so any spills would be contained by the perimeter drainage ditch and WWTFRP.

4.4 Site Bulk Oil

VA0087033, Part I, D.2.b.(6)(a): Storm Water Controls *(SWPP Cross Reference #16)*

For a list of the petroleum related equipment and unloading practices, please refer the Station's FRP/ODCP/SPCC Comprehensive Plan, which is maintained at the Station under separate cover.

4.5 Sediment & Erosion

VA0087033, Part I, D.2.a(2): Measure That Require Construction *(SWPPP Cross Reference #9)*
VA0087033, Part I, D.2.b.(6)(a): Strom Water Controls *(SWPP Cross Reference #16)*
VA0087033, Part I, D.2.b.(6)(b)(vii): Sediment and Erosion Control. *(SWPPP Cross Reference #23)*
VA0087033, Part I, D.2.b.(6)(b)(viii): Management of Runoff. *(SWPPP Cross Reference #24)*

4.5.1 Sediment and Erosion Control

The Station utilizes curbs, concrete trenches, gravel and grates/inlets to control storm water runoff. Refer to the Appendix C for drainage area impervious surface percentages such as roof tops and paved parking lots and roads. The other areas consist of Station equipment on gravel beds, the WWTRP, adjacent wetland areas and some grassy areas. No evidence of serve erosion is currently present.

4.5.2 Construction Erosion & Sediment Control

Appendix G is reserved for Erosion Control and Sediment Plan insertion in the event of construction activity at the Station. Such plans are required for Construction Storm Water Permits and developed with a specific focus on site topography, drainage patterns, soils, ground cover, and adjacent runoff areas.

4.6 Salt Storage

VA0087033, Part I,D.1.h.: Additional Requirements for Salt Storage *(SWPPP Cross Reference #4)*

The Station receives salt in bags and stored in a storm resistant shelter.

5.0 Storm Water Controls

VA0087033, Part I, D.2.b.(6)(a): Storm Water Controls. *(SWPPP Cross Reference #16)*
VA0087033, Part I, D.2.b.(6)(b)(vii): Sediment and Erosion Control. *(SWPPP Cross Reference #23)*
VA0087033, Part I, D.2.b.(6)(b)(viii): Management of Runoff. *(SWPPP Cross Reference #24)*

Storm water management controls appropriate for the Station can be summarized as follows:

UNIT OR AREA NAME	APPROPRIATE STORM WATER MANAGEMENT CONTROLS
Storage Tanks	Secondary Containment, Drainage System, Shutoff Valves, Unloading Procedures, Inspection, and Spill Kits.
Oil-Filled Mechanical/Electrical Equipment	Secondary Containment, Drainage System, Spill Kits, and SPCC Inspections. Restricted Parking locations.
Material Transfer Areas	Secondary Containment, Drainage System, Written Procedures, Spill Kits and Inspections.
HazMat Storage Building	Materials are stored inside buildings with secondary containment flooring, Spill Kits and Inspections.
Runoff Control	The Station utilizes curbs, concrete trenches, gravel, rip-rap and grates/inlets to control storm water runoff. Storm water runoff, which collects in the WWTFRP, is not used for any other purpose at the Station. The WWTFRP allows for a controlled discharge of storm water under all but the worst conditions (such as floods). General Refuse Dumpsters will be covered.

5.1 Structural BMPs

Refer to Section 4.3 & 4.4 for structural BMPs in place at this Station.

5.2 Non-Structural BMPs

The Station has Operating Procedures (OPs) that are related to storm water control management. They reduce the potential for storm water contact due to equipment failure or operational losses. The associated OPs are listed in section 5.2.1.

5.2.1 Employee Training

VA0087033, Part I, D.2.b.(6.)(b.)(vi) Employee Training. *(SWPPP Cross Reference #12)*

The positions noted in the Pollution Prevention Team with (2) are responsible for providing the storm water training. The Station has the following training that encompasses storm water management:

- New Employee Indoctrination
- Safety Inspections
- Hazard Communication Program
- Annual Storm Water Pollution Prevention

The following table represents the OP associated with storm water and used as training. Copies of the OPs are maintained in the Station's files and available upon request. The Station provides general Storm Water Training Annually.

OP Number	Operating Procedure Name
	EPA FRP/SPCC/VA ODCP Comprehensive Plan
POP-AD-12	Plant Cleanliness
POP-CH-01	Bulk Chemical Delivery Procedure
GPS-OPS-620	Ammonia Storage & Off Loading
POP-FL-04	Fuel Oil Unloading Station
POP-ENV-01	O&M Manual Waste Water System
POP-ENV-08	Oil & Hazardous Material & Spill Prevention
POP-ENV-10	Hazardous Material Handling
POP-ENV-11	Chemical Process Review
POP-ENV-12	Hazardous Material Receiving Storage and Distribution
POP-ENV-13	Hazardous Material Inventory Control
POP-ENV-14	Hazardous Material/Waste Storage and Universal Waste Storage
POP-ENV-40	VPDES Water Sampling and Testing
GPS-SMP-02	Emergency Response Plan
POP-ENV-45	Portable Restroom Delivery/Cleaning/Removal Procedure

MSDS are also utilized as part of training to ensure that employees understand the nature of materials that could cause equipment leaks. Refer to Station's files for copies of the MSDS.

5.2.2 Good Housekeeping

VA0087033, Part I, D.2.b.(6)(b)(i): Control Controls, Good Housekeeping *(SWPP Cross Reference #17)*

The Station has implemented the POP-AD-12 Plant Cleanliness procedure, to aid in ensuring its housekeeping goals are met. Also, the station uses inspections required by the SPCC, FRP, ODCP and SWPPP to re-enforce "Good Housekeeping". An inspection program is carried out as described in section 5.2.4 of this plan.

5.2.3 Minimizing Exposure

VA0087033, Part I, D.2.b.(6.)(b.)(ii): Eliminating and Minimizing Exposure. *(SWPPP Cross Reference #18)*

The Station minimizes exposure by use of housekeeping, structural & non-structural BMPs.

5.2.4 Routine Facility Inspections

VA0087033, Part I, D.2.b.(6.)(b.)(v): Routine Facility Inspections *(SWPPP Cross Reference #21)*

Routine facility inspections are comprehensive in scope. Refer to Appendix D & F for storm water inspection forms. The inspections include:

- Storm Water Weekly, Monthly Inspections and Annual Evaluation
- FRP/ODCP/SPCC Plan form "Oil Inspections"
- POP-ENV-13 Hazardous Material Inventory Control

5.2.5 Spill Prevention and Response Procedures

VA0087033, Part I, D.2.b.(6.)(b.)(iv): Spill Prevention and Response Procedures *(SWPPP Cross Reference #20)*

The Station maintains a separate SPCC Plan and FRP that further details spill prevention inspection and housekeeping measures. It also has an ODCP to complement the spill response procedures given above in the OP table of Section 5.2.1 for both oil and chemicals. Section 2.2 of this plan also outlines spill response and contact procedures.

5.2.6 Preventive Maintenance

VA0087033, Part I, D.2.b.(6)(b)(iii): Preventative Maintenance. *(SWPPP Cross Reference #19)*

The station uses the SAP automated system to track Preventive Maintenance (PM) and Corrective Maintenance (CM) of industrial equipment and systems that are located on site. The frequency of PM's is based on good engineering practices to ensure reliable operation of equipment. Regular formal and informal inspections are performed by operators to ensure that equipment that is malfunctioning is repaired in a timely manner.

5.3 Maintenance

VA0087033, Part I, D.(6)(c) Maintenance. *(SWPPP Cross Reference #25)*

Based upon facility evaluations, Section 4.0 (Potential Pollutant Sources) identified those types and locations of equipment that can potentially impact storm water as a result of operational error and/or equipment failure. The continuing structural or non-structural BMPs that are currently utilized, and will continue to be utilized, until planned BMP feasibility studies are completed for possible future construction and/or implementation. Any deficiencies noted during inspections will be either be corrected immediately and noted on the inspection form or entered into the station SAP system where it will be documented and tracked.

6.0 GOOD HOUSEKEEPING MEASURES

VA0087033, Part I, D.2.b.(6)(a): Strom Water Controls *(SWPP Cross Reference #16)*
VA0087033, Part I, D.2.b.(6)(b)(i): Control Measures, Good Housekeeping *(SWPP Cross Reference #17)*
VA0087033, Part I, D.4.b.1.: Sector Specific Storm Water Management Conditions – Steam Electric Power Generating Facilities – Good housekeeping measures. *(SWPPP Cross Reference #30)*

6.1 Fugitive Dust Emissions

N/A – Facility does not burn Coal.

6.2 Delivery Vehicles

All Station employees have the responsibility to evaluate the location of any visiting vehicle and to report any observed leaks to the control room. The owner/driver for any vehicle leaking oil is notified and asked not to bring the vehicle back until the leak is repaired. The facility has designated restricted parking locations as a BMP to protect the facility's perimeter drain.

6.3 Fuel Oil Unloading Areas

The Station has an OP for fuel unloading vehicles; see POP-FL-04, maintained in Station's files and available upon request. The Station also routinely inspects the fuel unloading areas for debris and water in Housekeeping procedure "POP-ENV-AD12 Plant Cleanliness", maintained in Station's files and available upon request. Spill kits are strategically placed around the facility.

6.4 Chemical Loading/Unloading Areas

The Station has an OP for chemical unloading, see POP-CH-01 and GPS-OPS-620, maintained in Station's files and available upon request. It is mandatory for Station personnel to be present during any chemical unloading.

6.5 Miscellaneous Loading/Unloading Areas

No Miscellaneous Loading/Unloading that poses a threat to storm water is currently identified.

6.6 Liquid Storage Tanks

Areas with liquids are inspected routinely in accordance with Station procedures. Refer to Section 5.2.1 for a detailed list of operating procedures. Liquid storage tanks are stored in storm resistant shelters or equipped with secondary containment and/or stored inside the perimeter drain.

6.7 Large Bulk Fuel Storage Tanks

Refer to Section 4.4 of this plan and/or the facility's FRP/ODCP/SPCC Comprehensive plan maintained under separate cover.

6.8 Spill Reduction Measures

Refer to Section 5.0 of this plan and/or Appendix C of the facility's FRP/ODCP/SPCC Comprehensive plan maintained under separate cover.

6.9 Oil Bearing Equipment in Switchyards

The switchyard associated with the Gordonsville P.S. is located in a fenced area adjacent to the facility. This switchyard is on a level grade and graveled, but is managed / inspected by Dominion Transmission

/Distribution. The Gordonsville P.S. personnel do not have regular access to enter the fenced area and therefore can only view the switchyard from outside of the fence. In cases of observed spills and/or leaks, Gordonsville personnel are to notify the Dominion Transmission / Distribution via the (red) System Operation Center (SOC) phone located in the control room and will implement the appropriate spill response procedures to contain the spill/leak from leaving the fenced area.

6.10 Residue Hauling Vehicles

N/A – Other than the General Refuse that is picked up by a qualified refuse hauling contractor, this Facility does not generate the need for residue hauling.

6.11 Ash Loading Areas

N/A – This Facility does not burn coal and does not generate ash.

6.12 Areas Adjacent to Disposal Ponds or Landfills

This facility has one wastewater retention pond. The banks of the pond and outfall are periodically inspected for erosion in accordance with Station procedures.

6.13 Landfills, Scrap Yards, Surface Impoundments, Open Dumps, General Refuse Sites

General refuse, scrap material dumpsters are maintained within the perimeter road and equipped with covers.

6.14 Maintenance Activities

6.14.1 Vehicle and Equipment Storage Areas

Vehicle and equipment storage areas are cleaned and maintained in accordance with Housekeeping procedure POP-AD-12 Plant Cleanliness.

6.14.2 Fueling Areas

Refer to the facility's FRP/ODCP/SPCC Comprehensive plan for details of fuel unloading.

6.14.3 Material Storage Areas

All materials used for vehicle maintenance are stored in storm resistant shelters/buildings.

6.14.4 Vehicle and Equipment Cleaning Areas

A vehicle cleaning area is located adjacent to the ammonium hydroxide tank. All wash water is discharged into the Station's perimeter drain system which flows to the WWTFRP. The facility does not use detergents in vehicle/equipment cleaning activities.

6.14.5 Vehicle and Equipment Maintenance Areas

The vehicle and equipment maintenance areas are located inside the administrative building with the exception of the forklift which requires the lift to be extended higher the ceiling allows, and therefore its maintenance area is inside secondary containment fuel oil unloading area where any leaks would be sent to the oil-water separator.

6.15 Material Storage Areas

All of the material storage areas are on flat yard grade and/or where the runoff is collected by the Facility's drainage ditch collection system which drains to the WWTFRP.

7.0 DOCUMENTATION

The following subsections represent the various areas of documentation.

7.1 Spills and Leaks

VA0087033, Part I, D.2.d.(4): Spills and Leaks. *(SWPPP Cross Reference #14)*

This facility has not had any reportable spills during the current permit or three years prior to the current permit that reached State Waters and/or required notification.

7.2 Storm Water Monitoring Requirements

VA0087033, Part I,D.1.b.: Recording Results – *(SWPPP Cross Reference #2)*
VA0087033, Part I,D.1.c.: Sampling Waiver – *(SWPPP Cross Reference #3)*
VA0087033, Part I, D.2.(5): Sampling Data *(SWPPP Cross Reference #15)*

Monitoring records are maintained in Station's files and available upon request. Should storm water monitoring be required, a summary will be provided in the annual comprehensive evaluation, which are provided in Appendix D of this plan. An example of the Quarterly Visual monitoring form is provided in Appendix E of this plan.

7.3 Site Inspections

VA0087033, Part I, D.2.b.(6.)(b.)(iv): Spill Prevention and Response Procedures *(SWPPP Cross Reference #1)*
VA0087033, Part I, D.4.b.2.: Sector Specific Storm Water Management Conditions – Steam Electric Power Generating Facilities – Comprehensive site compliance evaluation. *(SWPPP Cross Reference #31)*

Inspection forms are in Appendix F and records are maintained in Station's files and available upon request.

7.4 Annual Evaluation

VA0087033, Part I, D.2.b.(6).d: Comprehensive Site Compliance Evaluation. *(SWPPP Cross Reference #30)*

Refer to Appendix D for evaluation summary reports.

ANNUAL COMPLIANCE EVALUATION CERTIFICATION

Date of Site Visit	Purpose
April 16, 2008	Annual Evaluation
September 29, 2009	Annual Evaluation
September 21, 2010	Annual Evaluation
March 24, 2011 / April 13, 2011	Annual Evaluation
April 10, 2012	Annual Evaluation

7.5 Goals & Objectives

The SWPPP has been developed as required by the Station's storm water discharge permit and to incorporate good engineering practices. This SWPPP describes this Station, its operations, identifies potential sources of storm water pollution at the facility, recommends appropriate BMPs or pollution control measures to reduce the discharge of pollutants in storm water runoff, and provides for periodic review of this SWPPP. It is the objective of this program to improve the quality of surface waters by reducing the amount of pollutants potentially contained in the storm water runoff being discharged.

ACTION ITEMS

Action items are listed in the implementation schedule below. The Plant Engineer shall enter the actual date of completion of each item. Completed action items will be removed from the list at the next SWPPP revision.

ACTION ITEM IMPLEMENTATION SCHEDULE			
Action Item	**Responsible Person**	**Completion Deadline**	**Actual Date Completed**

7.6 Record of Review

VA0087033, Part I, D.2.f.: Maintaining an Updated SWPPP. *(SWPPP Cross Reference #28)*

Record of Reviews (SWPPP Permit Reference #2)				
Date of Inspection [1]	**Date SWPPP Revisions Completed [2]**	**Date of Substantial BMP Modification [3,4]**	**Date of Comprehensive Site Evaluation Summary Report [5]**	**Reason for Amendment**
April 2008	**April 2008**		**April 2008**	**Annual Evaluation**
September 2009	**September 2009**		**October2009**	**Annual Evaluation**
September 2010	**September 2010**		**03/25/2011**	**Annual Evaluation**
March 24, 2011 / April 13, 2011	**March 24, 2011 / April 13, 2011**		**10/17/2011**	**Annual Evaluation**
April 10, 2012	**April 10, 2012**			**Annual Evaluation**

[1] A Station inspection must be completed by qualified personnel familiar with Station operations in accordance with State and Federal SWPPP regulations.

[2] The SWPPP shall be modified as necessary to include minor changes in SWPPP text, Station controls or BMPs. Revision to the SWPPP must be completed within two weeks following the inspection, unless permission for a later date is granted in writing by the State NPDES authority.

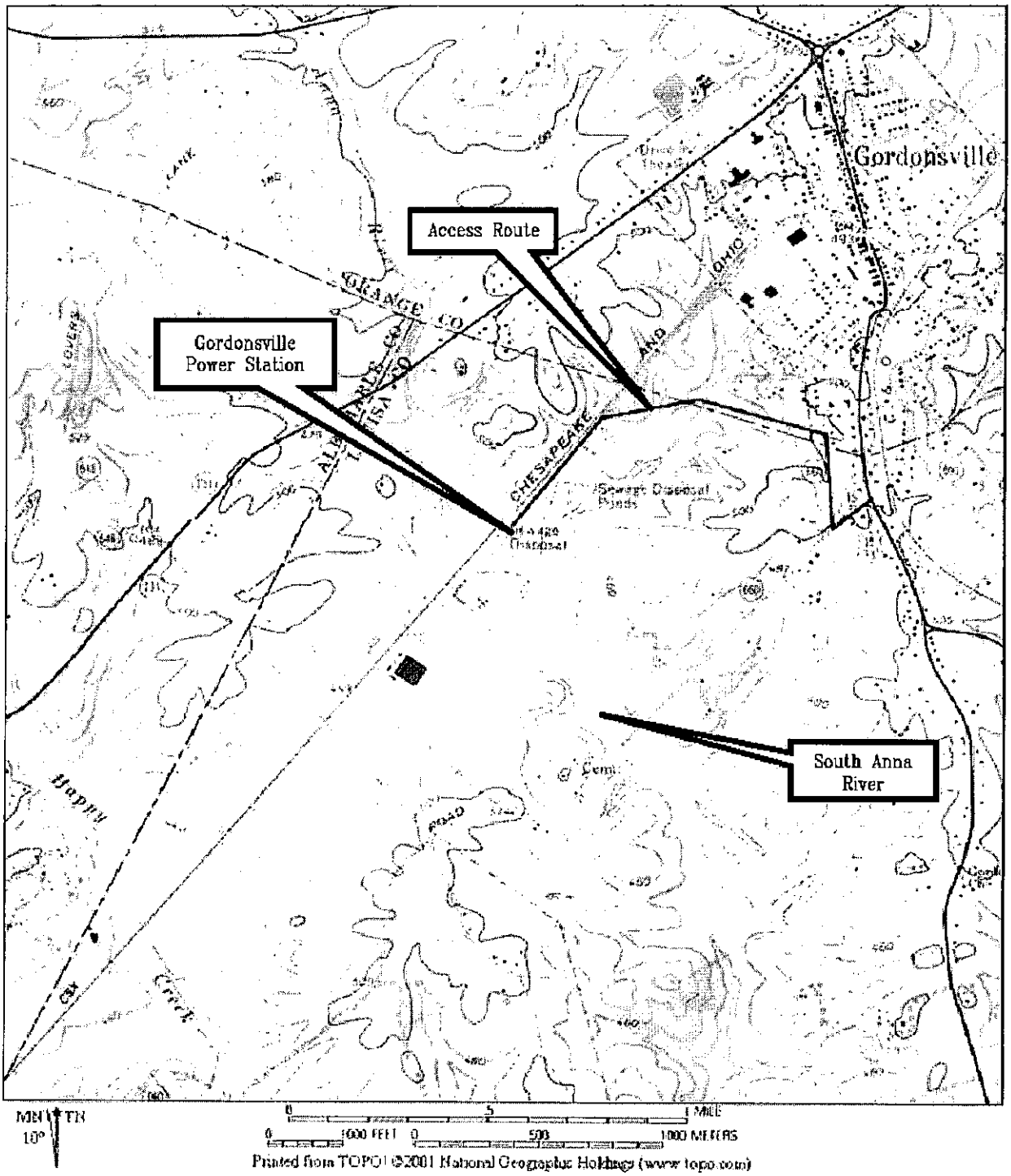
[3] If substantial SWPPP change is necessary including significant modification of existing BMPs or if the addition of new BMPs is necessary, implementation must be completed before the next anticipated storm event, if practicable, but not more than 12 weeks after completion of the comprehensive site evaluation, unless permission for a later date is granted in writing by the State NPDES authority. Refer to the Action Item Schedule on the next page.

[4] The permittee shall amend the SWPPP whenever: (1) there is a change in design, construction, operation, or maintenance at the facility that has a significant effect on the discharge, or the potential for the discharge, of pollutants from the facility; (2) during inspections, monitoring, or investigations by facility personnel or by local, state, or federal officials, it is determined that the SWPPP is ineffective in eliminating or significantly minimizing pollutants from sources identified.

[5] A report summarizing the scope of the inspection name(s) of personnel making the inspection, date(s) of the inspection, and major observations relating to the implementation of the SWPPP, and actions taken in accordance with the NPDES permit shall be made and retained as part of the SWPPP for at least five years from the date of the inspections.

Appendix A

Topographic Site Map and Site Vicinity Map (SWPPP Permit Reference #12 & 29)



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USGS 7-1/2 MINUTE SERIES MAP
Boswells Tavern, VA
1987
TOPOGRAPHIC QUADRANGLE

SCALE 1:24,000

SITE VICINITY MAP

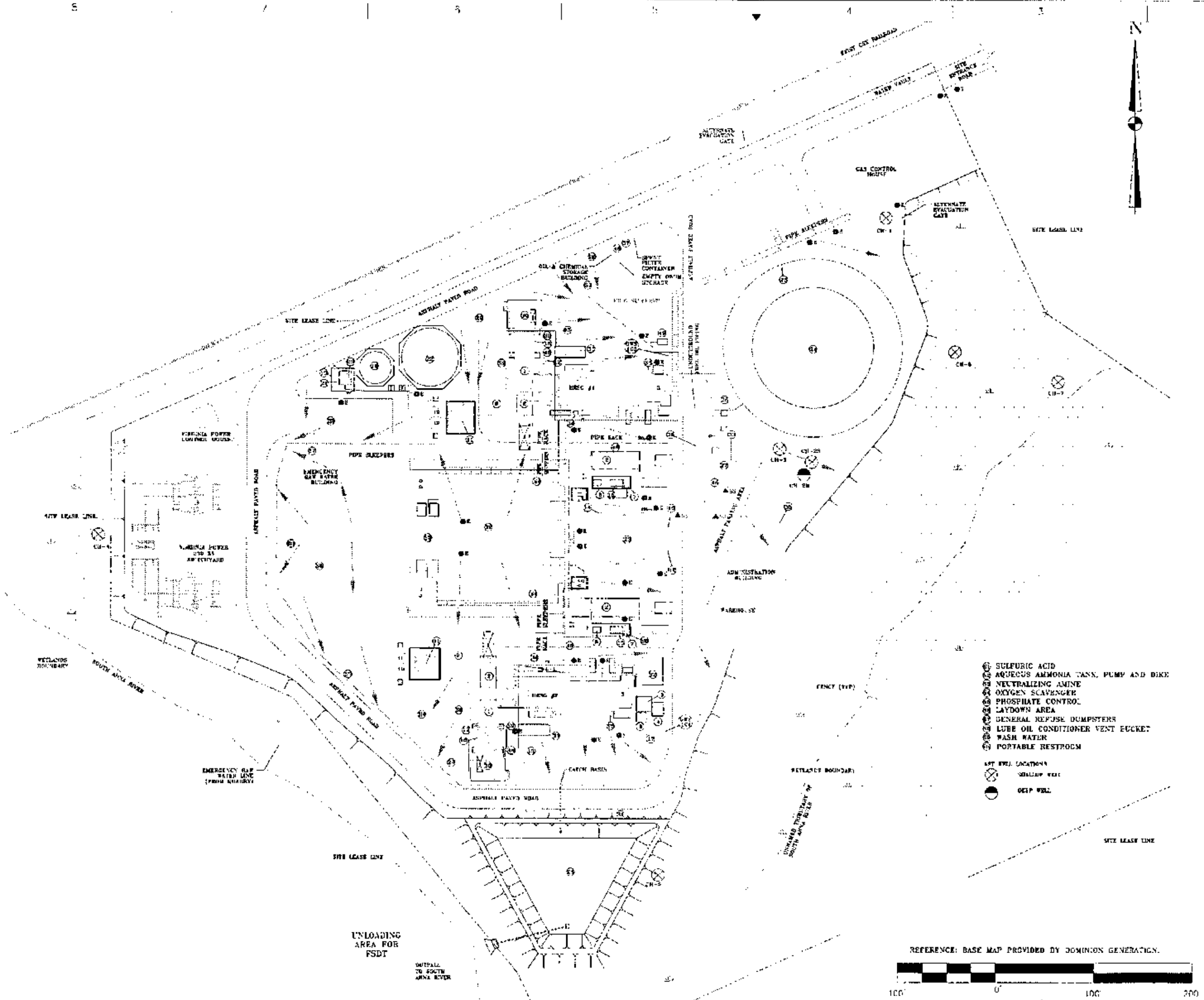
Dominion Generation
Gordonsville Power Station
Gordonsville, Virginia

FIGURE NUMBER: 1

DRAWN BY:	DATE:	PROJECT NUMBER:	DRAWING NUMBER:
KLR	April 2005	02285-026	A60298A

Appendix B

Site Plan
(SWPPP Permit Reference #12 & 29)



KEY

1. COMBUSTION TURBINE FRAME
2. GENERATOR
3. HRSG STACK (146'-0" HIGH)
4. AUX BOILER
5. AUX BOILER STACK
6. AUX BOILER BOILER FEED PUMP SKID
7. STEAM TURBINE LUBE OIL PURIFIER SKID
8. HYDRAULIC POWER UNIT (100 GALLON OIL TANK)
9. (CAT) GENERATOR AUXILIARIES COMPARTMENT
10. AUXILIARY TRANSFORMER NON-PCB MINERAL OIL CAPACITY = 1,525 GALLONS CONCRETE CURB SECONDARY CONTAINMENT (2,996 GALLON CAPACITY)
11. MAIN TRANSFORMER NON-PCB MINERAL OIL CAPACITY = 15,047 GALLONS CONCRETE CURB SECONDARY CONTAINMENT (16,767 GALLON CAPACITY)
12. LUBE OIL DEMISTER
13. WATER INJECTION SKID
14. CO2 FIRE PROTECTION SKID
15. 2,000 GALLON LUBE OIL TANK CONCRETE SECONDARY CONTAINMENT CURB (2,425 GALLON CAPACITY)
16. TURBINE LUBE OIL RESERVOIR (3,300 GALLONS) CONCRETE SECONDARY CONTAINMENT CURB (330 GALLON CAPACITY)
17. OWS2 – 2,000 GALLON CORRUGATED PLATE OIL/WATER SEPARATOR (830 GALLON OIL CAPACITY)
18. RAW WATER/FIRE PROTECTION TANK & PUMPS (300,000 GALS) 33'-0"ø x 48'-0" HIGH
19. FIRE PUMP HOUSE
20. DIESEL DRIVEN FIRE PUMP
21. DIESEL OIL TANK (285 GALLONS) CONCRETE CURB SECONDARY CONTAINMENT (336 GALLON CAPACITY)
22. DEMINERALIZED/MAKE-UP WATER TANK AND PUMPS (1,000,000 GALLONS) 60'-0"ø x 48'-0" HIGH
23. CONTROL/SWITCHGEAR BUILDING
24. No. 2 FUEL OIL STORAGE TANK (5,000,000 GALLONS) 124'-0"ø x 56'-0" HIGH
25. FUEL OIL TANK STEEL DIKE (5,608,746 GALLONS) 183'-0"ø x 28'-0" HIGH
26. STORM WATER RETENTION BASIN (TOTAL CAPACITY=242,230 GAL; AVAILABLE CAPACITY=142,659 GAL)
27. FOAM FIRE EQUIPMENT ENCLOSURE
28. FUEL OIL FORWARDING PUMPS
29. TURBINE UNDERGROUND FALSE START DRAIN TANK (2,000 GALLONS)
30. INLET AIR FILTER
31. COOLING WATER AIR COOLER
32. AIR COOLED CONDENSER
33. DEMINERALIZED WATER TRAILER
34. DUCT BURNER BOOSTER PUMPS
35. PERMANENT POWER TRANSFORMER NON-PCB MINERAL OIL CAPACITY = 641 GALLONS CONCRETE CURB SECONDARY CONTAINMENT (805 GALLON CAPACITY)
36. FUEL UNLOADING AREA CURBED AREA CONTAINS >8,000 GALLONS AS MEASURED BY FACILITY PERSONNEL
37. MOBILE EQUIPMENT FUEL TRANSFER TANK (55 GAL)
38.
39.
40.
41. FIRE PUMP DIESEL FUEL TANK UNLOADING AREA
42. VEHICLE CLEANING AREA
43.
44. SCRAP METAL DUMPSTERS
45.
46. GENERAL MAINTENANCE EQUIPMENT STORAGE AREA
47.
48. OIL ABSORBENTS AND BARREL LOCATIONS (CHEMICAL STORAGE BUILDING CONTAINMENT= 3,967 GALLONS)
49. OWS1 – 1,500 GALLON SLANT RIB OIL/WATER SEPARATOR (54 GALLONS OIL CAPACITY)

- SULFURIC ACID
- AQUEOUS AMMONIA TANK, PUMP AND DIKE
- NEUTRALIZING AMINE
- OXYGEN SCAVENGER
- PHOSPHATE CONTROL
- LAYDOWN AREA
- GENERAL REFUSE DUMPSTERS
- LUBE OIL CONDITIONER VENT BUCKET
- WASH WATER
- PORTABLE RESTROOM

ART. WELL LOCATIONS
- SHALLOW WELL
- DEEP WELL

LEGEND

- CONCRETE STORM WATER DRAINAGE TRENCH TO STORM WATER RETENTION BASIN
- OILY WATER DRAIN LINE (ABOVE GROUND)
- OILY WATER DRAIN LINE (UNDERGROUND)
- UNDERGROUND STORM WATER DRAINAGE PIPING
- FUEL OIL PIPING
- APPROXIMATE EXTENT OF FUEL UNLOADING AREA
- STORM WATER DRAINAGE SWALE
- OVERLAND DRAINAGE FLOW DIRECTION
- ELECTRICAL UNDERGROUND ACCESS
- STORM SEWER UNDERGROUND ACCESS

REFERENCE: BASE MAP PROVIDED BY DOMINION GENERATION.

100 0 100 200
SCALE: 1" = 100'

DOMINION ENERGY

FOSSIL & HYDRO TECHNICAL SERVICES
RICHMOND, VIRGINIA

SITE PLAN
STORM WATER EXPOSURES

GORDONSVILLE POWER STATION

GV-0-SP-STA-621 | 6

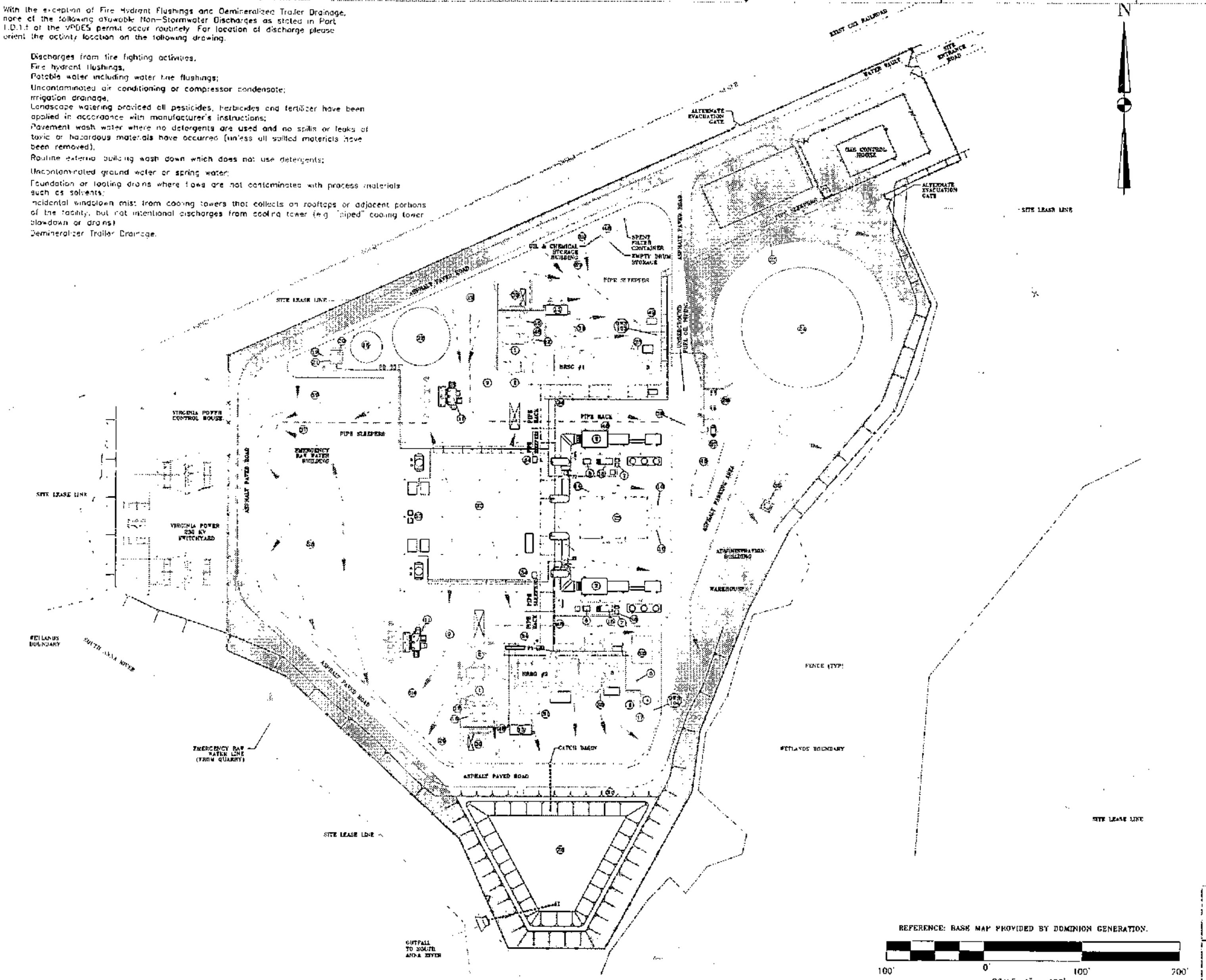
Rev.	Description
5	REVISED PER ENVIRONMENTAL REDLINE. ADDED 37.
4	REVISED PER ENVIRONMENTAL REDLINE. REVISION TO BASE DRAWING
3	REVISED PER ENVIRONMENTAL REDLINE.
2	REVISED PER ENVIRONMENTAL REDLINE.
	REVISED PER ENVIRONMENTAL REDLINE.
5	REVISED PER ENVIRONMENTAL REDLINE.

Appendix C

Storm Water Drainage Areas
(SWPPP Permit Reference #12, 14 & 29)

With the exception of Fire Hydrant Flushings and Demineralized Trailer Drainage, none of the following allowable Non-Stormwater Discharges as stated in Part I.D.1.f of the VPDES permit occur routinely. For location of discharge please orient the activity location on the following drawing.

Discharges from fire fighting activities,
Fire hydrant flushings,
Potable water including water line flushings;
Uncontaminated air conditioning or compressor condensate;
Irrigation drainage,
Landscape watering provided all pesticides, herbicides and fertilizer have been applied in accordance with manufacturer's instructions;
Pavement wash water where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled materials have been removed),
Routine external building wash down which does not use detergents;
Uncontaminated ground water or spring water;
Foundation or footing drains where flows are not contaminated with process materials such as solvents;
Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from cooling tower (e.g. "piped" cooling tower blowdown or drains)
Demineralizer Trailer Drainage.



KEY

1. COMBUSTION TURBINE FRAME
2. GENERATOR
3. HRSG STACK (150'-0" HIGH)
4. AUX BOILER
5. AUX BOILER STACK
6. AUX BOILER BOILER FEED PUMP SKID
7. STEAM TURBINE LUBE OIL PURIFIER SKID
8. HYDRAULIC POWER UNIT (100 GALLON OIL TANK)
9. (GAC) GENERATOR AUXILIARIES COMPARTMENT
10. AUXILIARY TRANSFORMER
    NON-PCB MINERAL OIL CAPACITY = 1,325 GALLONS
    CONCRETE CURB SECONDARY CONTAINMENT
    (2,998 GALLON CAPACITY)
11. MAIN TRANSFORMER
    NON-PCB MINERAL OIL CAPACITY = 15,047 GALLONS
    CONCRETE CURB SECONDARY CONTAINMENT
    (18,702 GALLON CAPACITY)
12. LUBE OIL DEMISTER
13. WATER INJECTION SKID
14. CO2 FIRE PROTECTION SKID
15. 2,000 GALLON LUBE OIL TANK
    CONCRETE SECONDARY CONTAINMENT CURB
    (2,425 GALLON CAPACITY)
16. TURBINE LUBE OIL RESERVOIR (3,300 GALLONS)
    CONCRETE SECONDARY CONTAINMENT CURB
    (330 GALLON CAPACITY)
17. OWS2 - 2,000 GALLON CORRUGATED PLATE OIL/WATER SEPARATOR
    (800 GALLON OIL CAPACITY)
18. RAW WATER/FIRE PROTECTION TANK & PUMPS
    (300,000 GALS) 33'-0"ø x 48'-0" HIGH
19. FIRE PUMP HOUSE
20. DIESEL DRIVEN FIRE PUMP
21. DIESEL OIL TANK (280 GALLONS)
    CONCRETE CURB SECONDARY CONTAINMENT
    (330 GALLON CAPACITY)
22. DEMINERALIZED/MAKE-UP WATER TANK AND PUMPS
    (1,000,000 GALLONS) 60'-0"ø x 48'-0" HIGH
23. CONTROL/SWITCHGEAR BUILDING
24. No. 2 FUEL OIL STORAGE TANK (5,000,000 GALLONS)
    124'-0"ø x 56'-0" HIGH
25. FUEL OIL TANK STEEL DIKE (5,508,746 GALLONS)
    180'-0"ø x 28'-0" HIGH
26. STORM WATER RETENTION BASIN:
    (TOTAL CAPACITY=242,239 GAL; AVAILABLE CAPACITY=142,500 GAL)
27. FOAM FIRE EQUIPMENT ENCLOSURE
28. FUEL OIL FORWARDING PUMPS
29. TURBINE UNDERGROUND FALSE START DRAIN TANK
    (2,500 GALLONS)
30. INLET AIR FILTER
31. COOLING WATER AIR COOLER
32. AIR COOLED CONDENSER
33.
34. FUEL OIL BOOSTER PUMPS
35. PERMANENT POWER TRANSFORMER
    NON-PCB MINERAL OIL CAPACITY = 641 GALLONS
    CONCRETE CURB SECONDARY CONTAINMENT
    (685 GALLON CAPACITY)
36. FUEL UNLOADING AREA
    CURBED AREA CONTAINS >6,000 GALLONS AS
    MEASURED BY FACILITY PERSONNEL
37.
38.
39.
40.
41. FIRE PUMP DIESEL FUEL TANK UNLOADING AREA
42. VEHICLE CLEANING AREA
43.
44. SCRAP METAL DUMPSTERS
45.
46. GENERAL MAITENANCE EQUIPMENT STORAGE AREA
47.
48. OIL ABSORBENTS AND BARREL LOCATIONS
    (CHEMICAL STORAGE BUILDING CONTAINMENT= 3,987-GALLONS)
49. OWS1 - 1,500 GALLON SLANT RIB OIL/WATER SEPARATOR
    (84 GALLONS OIL CAPACITY)

LEGEND

- CONCRETE STORM WATER DRAINAGE TRENCH TO STORM WATER RETENTION BASIN
- OILY WATER DRAIN LINE (ABOVE GROUND)
- OILY WATER DRAIN LINE (UNDERGROUND)
- UNDERGROUND STORM WATER DRAINAGE PIPING
- FUEL OIL PIPING
- APPROXIMATE EXTENT OF FUEL UNLOADING AREA
- STORM WATER DRAINAGE SWALE
- OVERLAND DRAINAGE FLOW DIRECTION
- DRAINAGE AREA FOR VPDES Approximately 5.80 Acres & 90% Impervious. OUTFALL 001, 101, 102, AND 901
- DRAINAGE AREA FOR SHEETFLOW Approximately 1.30 Acres & 60% Impervious

REFERENCE: BASE MAP PROVIDED BY DOMINION GENERATION.

100' 0' 100' 200'
SCALE: 1" = 100'

REV	DESCRIPTION	DATE
4	REVISED PER ENVIRONMENTAL REDLINE. MODIFIED SHEETFLOW AREA.	6/24/2011 - KTC RAW RWM
3	REVISED PER ENVIRONMENTAL REDLINE.	12/1/2010 - KTC RRE RWM
2	REVISED PER ENVIRONMENTAL REDLINE.	6/24/2010 - KTC RRE RWM
1	REVISED PER ENVIRONMENTAL REDLINE.	04/01/2010 - KTC SWP RWM
0	ORIGINAL ISSUE	08/21/2009

DOMINION ENERGY®
FOSSIL & HYDRO TECHNICAL SERVICES
RICHMOND, VIRGINIA

SITE PLAN
STORM WATER EXPOSURES

GORDONSVILLE POWER STATION

DRAWN SWC
CHKD RAW
SCALE 1" = 40'
DRAWING NUMBER CV-0-SP-STA-622 REV 4

Appendix D

Annual Compliance Evaluation Summary Report (SWPPP Permit Reference #15 & 26)

STORM WATER POLLUTION PREVENTION PLAN ANNUAL SITE COMPLIANCE EVALUATION

LOCATION: Gordonsville Power Station

DATE OF ANNUAL EVALUATION:
EVALUATION METHOD: Comprehensive SWPPP Checklist
EVALUATION TEAM:

SCOPE OF SITE COMPLIANCE EVALUATION:

SUMMARY OF EVALUTION	YES or NO
Answer the following questions with YES or NO	
Inspection Made of Each Material Exposed to Storm Water?	
Inspection Made of Each Activity / Unloading Area Exposed to Storm Water?	
Inspection Made for Contaminants on the Ground?	
Inspection Made for Leaks from Equipment or Containers?	
Inspection Made for Vehicle Tracking Impacts?	
Inspection Made for Materials Blowing from Areas?	
Inspection Made of Pollutants in Drainage Ways?	
Inspection Made of Monitoring and Inspection Records?	
BMPs Identified in the SWPPP Were Checked to See if Used?	
Were the Locations of Outfalls Inspected?	
Site Map(s) Reviewed?	

COMPLIANCE EVALUATION SUMMARY REPORT:

EVALUATION OF OUTFALLS:	TOTALS
Storm Water Outfalls: 901	
Process/Allowable Non-Storm Water Outfalls: 001	
Compliance Action Item Summary:	YES or NO
Any evidence of Leaks or Spills that may have reached offsite Surface Water?	
Any evidence of exposure sources contacting Storm Water?	
Are Written SWPPP Binder Updates Needed?	
Does the Site Map(s) require revisions?	
Are Additional BMPs needed or requiring maintenance?	
Incidents of Non-Compliance of Permit Discharge Limits?	
Were any issues of Non-compliance found?	
Were any incidents noted that require Notification?	

SWPPP TEXT OBSERVATIONS – Gordonsville Power Station SWPPP

Corresponding SWPPP Section	REQUIRED SWPPP CONTENTS:	Revision Required (Yes or No)
Page xvi	Management Approval Certification	
Section 1.0	Description of Station & its activities	
Section 2.1	Pollution Prevention Team	
Section 2.2	Spill Response Procedures	
Sections 3.1 & 3.2	Outfall Descriptions	
Section 3.2	Non-Storm Water Evaluation Certification	
Section 3.2	Allowable Discharge Descriptions	
Sections 3.3, 3.4 & 3.5	Monitoring and/or Inspections descriptions	
Sections 4.0	List of Exposed Materials and/or Activities	
Sections 4.2 & 5.0	List of Structural BMPs	
Section 4.4	Construction, Sediment, or Erosion Control discussion	
Section 5.2.1	Storm Water Training and Schedules	
Section 6.0	**Non-Structural BMPs - Good Housekeeping:**	
Section 6.1	Dust Control Equipment Areas	
Section 6.2	Delivery Vehicle	
Section 6.3	Fuel Oil Unloading Areas	
Section 6.4	Chemical Unloading Areas	
Section 6.5	Miscellaneous Loading / Unloading	
Sections 6.6 & 6.7	Small and Large Storage Tank Areas	
Section 6.8	Spill Reduction Measures	
Section 6.9	Oil Filled Electrical Equipment Areas, e.g., Transformers	
Section 6.10	Residue Hauling Vehicles	
Section 6.11	Ash Handling Areas & Hauling Vehicles	
Section 6.12	Areas Adjacent to Ponds/Basins/Impoundments	
Section 6.13	Landfills, Scrap Yards, Surface Impoundments, Open Dumps, General Refuse	
Section 6.14	Maintenance Activities	
Section 6.15	Material Storage Areas	
Section 7.0	**SWPPP Documentation:**	
Section 7.1	Reportable Spills	
Section 7.2 & 7.3	Inspections and Monitoring Documentation Locations	
Section 7.4	Annual Evaluation Documentation	
	SWPPP Map Elements – Summary:	
	Updated Outfall Locations & Numbers	
Appendices A, B & C	Topographical Location & Surface Water Body Names	
Appendices A, B & C	Drainage Direction by Site Area	
Appendices A, B & C	Activity Locations Exposed to Storm Water	
Appendices A, B & C	Equipment Locations Exposed to Storm Water	
Appendices A, B & C	Materials Potentially Exposed to Storm Water	
Appendices A, B & C	Spill or Leak Areas - Past or Potential	

SITE OBSERVATIONS – Gordonsville Power Station Site Visit
(Records, Site Conditions, Structural / Non-Structural BMPs)

NOTE: List any test methods used in evaluating Nonstorm Water Discharges and the results.

SUMMARY DISCHARGE MONITORING DATA:

Visually Monitoring Reports:

DMR Report:

Toxic Monitoring Report:

Inspections Records:

Other Observations:

SWPPP ACTION ITEMS – Gordonsville Power Station

ACTION ITEM IMPLEMENTATION SCHEDULE			
Action Item	**Responsible Person**	**Completion Deadline**	**Actual Date Completed**
1.			
2.			
3.			
4.			
5.			
6.			
7.			

CERTIFICATION OF ANNUAL SWPPP EVALUATION & PLAN REVISIONS

☐ Is this facility in compliance with the SWPPP and the VPDES permit VA0087033?

Plan Certification Requirement: I have reviewed and approve the revisions that resulted from this annual Comprehensive Site Compliance Evaluation.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Authorized Signatory

Signature:		Date:
Printed Name:		
Title:		

Guidance for Completing the Annual Compliance Evaluation

This form is designed to meet the permit requirements for a Comprehensive Site Compliance Evaluation and to identify whether SWPPP changes are needed.

1. Provide the date and evaluation team members' names.

2. Read through the items and in the "SCOPE OF COMPLIANCE EVALUATION" table to familiarize yourself with the items and activities to be evaluated.

3. In the "COMPLIANCE EVALUATIONS SUMMARY REPORT" write down the Storm Water and Process Water Outfalls you currently have permitted. During your evaluation, check each one off and provide the total number of outfalls observed in the right-hand box. (This method helps to identify un-named outfalls). Complete the rest of the boxes in this section as soon as you can determine an answer.

4. The "SWPPP TEXT OBSERVATION" section is designed to mirror SWPPP Gordonsville Power Station and federal requirements. Review the SWPPP document and answer "yes" or "no" if a change is required and the SWPPP shall be revised within 14 days of the Evaluation.

5. The "SITE SPECIFIC OBSERVATIONS" section is designed to allow you to make notes as you conduct your site inspection walk-down. Should you conduct an evaluation of Non-Storm Water Discharging, provide the appropriate information. A section is also provided for a brief summary of the visual and (if required analytical) monitoring data.

6. The "SWPPP ACTION ITEMS" should assist in documenting items that require additional revision, maintenance, and notifications.

7. Before having the "Authorized Agent" (see individual site specific NPDES Delegation memo for details), sign the certification statement, go back to the first page and answer everything in sections "SCOPE OF SITE COMPLIANCE EVALUATION" and COMPLIANCE EVALUATION SUMMARY REPORT" (first page).

Appendix E

Visual Monitoring Form
(SWPPP Permit Reference #5)

Gordonsville Power Station Outfall 901

Summary of Outfall observations following a rain event[1]: Outfall 901

	Jan - Mar	Apr – Jun	Jul – Sep	Oct - Dec
Date/Time				
Inspector				
Rainfall (Inches)				
# Hrs/Days, last event[2]				
Nature of discharge *(circle)*	Run-off/snow-melt/No Discharge	Run-off/snow-melt/No Discharge	Run-off/snow-melt/No Discharge	Run-off/snow-melt/No Discharge
- Quality of Discharge -				
Color				
Odor				
Clarity				
Floating Solids				
Settled Solids				
Foam				
Oil Sheen				
Other indicators[3]				
Probable sources of contamination				
Inspector's Signature				
Certification/Signature[4]				

Comments:

[1] In accordance with VPDES Permit Part I D.1.a

[2] Number of hours or days from previous 0.1" event which caused a discharge.

[3] List any other obvious indicators (i.e. pH, bug-kill, etc.) of possible contamination of discharge.

[4] I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Appendix F

SWPPP Inspection Forms
(SWPPP Permit Reference #21 & 31)

Gordonsville Power Station

Inspect the below locations to ensure that all physical Best Management Practices (BMP's) for the area are in place and in good working order. When inspecting consider what measures have been implemented to prevent or minimize contamination of storm water runoff from the industrial activity. Is it raining or snowing during this inspection? Yes / No

SWPPP MONTHLY COMPREHENSIVE SITE EVALUATION-INSPECTION		
LOCATION	INSPECTED	COMMENTS
Storm drains:		
Switchyards:		Observe this area visually through the fence as this area is managed/inspected by Dominion Transmission and Distribution. Report any issues to the System Operation Center (SOC) using the red SOC phone in the control room.
Fueling Areas:		If there is fuel unloading operations in progress is the unloading procedure in POP-FL-04 being used? Yes / No / N/A
Bulk Storage Areas:		Have these areas been inspected using the tank and secondary containment inspection forms at least once this per week since the last SWPPP Monthly Comprehensive site Evaluation/Inspection. Yes / No
Areas Adjacent to Disposal Ponds:		
Maintenance Areas:		
Liquid Storage Tanks: (Map Key #S1, S2, S3, S4, S5, S8)		Have these areas been inspected using the Hazardous Materials Inventory and Spill Prevention Measures Inspection Sheet at least once this month. Yes / No
Long Term Material Storage Areas: (Map Key #S6)		
Short Term Material Storage Areas:		
General Refuse Areas: (Map Key #S7)		Are all refuse containers covered? Yes / No
Portable Restroom: (Map Key #S10)		Are there portable restrooms on site? Yes / No
Turbine Wash Water Areas Unit 1 and 2: (Map Key #S9)		Is there signs of spillage from the transfer of turbine wash water from the sumps? Yes / No
Outfall - 901:		
Comments:		

EVALUATION/INSPECTION COMPLETED BY (Print): _____

SIGNATURE: _____

DATE: _____

WEEKLY HAZARDOUS MATERIALS INVENTORY AND SPILL PREVENTION MEASURES INSPECTION FORM

Inventory Performed by: _____ **Date:** _____
Signature/Print

For any item that a "No" is selected and the item cannot be immediately corrected; a notification must be submitted in the SAP system and the deficiency must be corrected as soon as possible but not later than 30 days from the date that it is written. (As per water permit VA0087033 Part I.D.2.b.(6)(b)(iv)) Send an Email to the O&M Manager, Plant Engineer, and Maintenance Coordinator describing the issue.

Substance	*Location*	*Source of Data*	*Quantity*	*Trigger Point Requiring Action*	*Action Required*
Carbon Dioxide Tank, 6 Tons	North Side of Control Room	Tank Gauge		75%	Notify Plant Engineer
Hydraulic Oil, Steam Turbine Unit 1	North Side of Control Room	Tank Sight glass		1/2	Refill
Lube Oil, Steam Turbine Unit 1	North Side of Control Room	Tank Level Gauge		1/4	Refill
Prevention Measure: Concrete containment pit. *Hydraulic System Volume: 100 gal. ST L.O. System Volume: 2000 gal. ST/Hydraulic Skid containment volume: 3,286 gallons*	**Observations:** **Is all piping in good condition?** Yes / No **Is the containment in good condition?** Yes / No **Is the water level in the containment contained to the sump?** Yes / ***No*** ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				

Substance	*Location*	*Source of Data*	*Quantity*	*Trigger Point Requiring Action*	*Action Required*
Aer-O-Foam XL-3, 1200 gallon tank	Firefighting Foam Building (Next to fuel oil unloading area.)	Tank Sight glass		1/2	Notify O&M Manager
Prevention Measure: Tank and building surrounding tank.	**Observations:** **Is all piping in good condition?** Yes / No **Is the building and floor in good condition?** Yes / No **Notes:**				
Fuel Oil 5 Mgal. Tank Inspected using forms POP-ENV-08A & E	Next to the Administrative Bldg	DCS-Control Room		4.2 Mgal (winter) 2.2 Mgal (summer)	Notify O&M Manager
Balanced Polymer HP3100/ Phosphate, Unit 1 380 gal. tank	Next to HRSG 1 behind CEMS shelter	Tank Sight glass		8 inches	Notify Control Room Operator
Prevention Measure: Tank, stainless steel tray and concrete containment pit.	**Observations:** **Is all piping in good condition?** Yes / No **Is the containment in good condition?** Yes / No **Is the water level in the containment < 5 inches?** Yes / *No* ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				
Balanced Polymer 500, 55 gallon drums	In Hazmat Storage Area	Tapping Drum		20 GAL	Notify O&M Manager
Prevention Measure: Yellow Poly Drum Containment	**Observations:** **Is the Yellow Poly Drum Containment in good condition?** Yes / No **Is there only a trace amount of water?** Yes / *No* ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No				

Substance	*Location*	*Source of Data*	*Quantity*	*Trigger Point Requiring Action*	*Action Required*
Cor-Trol IS 1050, 50 pound bag	In HAZMAT/Haz Waste Storage Area	Visual Inspection of Bag.		1/2 bag	Notify Control Room Operator
Anti-freeze	In HAZMAT/Haz Waste Storage Area	Tapping Drum		None	Notify O&M Manager
Prevention Measure: Building, floor, and foundation curb of building. *Building containment capacity is 3,987 gallons*	**Observations:** **Is the building and floor in good condition?** Yes / No **Is there < 6 inches of water in the sump?** Yes / *No* ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				
Lube Oil, Gas Turbine #1	Under CTG1 Accessory Compartment	Level Gauge		½	Fill Tank, wear PPE, and generate work order.
Prevention Measure: Lube Oil Compartment, concrete containment	**Observations:** **Is all piping in good condition?** Yes / No **Is the containment in good condition?** Yes / No **Notes:**				
Demineralized Water 1 Mgal. tank	Next to Raw Water Tank and behind CTG1	DCS-Control Room		Winter - 80% Summer – 50%	Generate more Demineralized water (Through a Demin trailer.)
Prevention Measure: Tank	**Observations:** **Is the foundation in good condition?** Yes / No **Is tank in good condition?** Yes / No **Notes:**				

Substance	*Location*	*Source of Data*	*Quantity*	*Trigger Point Requiring Action*	*Action Required*
Raw Water/Fire Water, 300 Kgal. tank	Next to Dimeneralized Water	DCS-Control Room		75%	Fill tank with city water.
Prevention Measure: Tank	**Observations:** **Is the foundation in good condition?** Yes / No **Is tank in good condition?** Yes / No **Notes:**				
Diesel Fire Pump Fuel Tank Level Inspected using forms POP-ENV-08B & F	Fire Pump House	Visual		1/2 Full	Notify Control Room Operator
F-86	Quarry Water Filter House	Visual		10 GAL	Notify Control Room Operator
Prevention Measure: Tank and concrete foundation of filter house.	**Observations:** **Are the building, floor and foundation in good condition?** Yes / No **Is there < 6 inches of water in the sump?** Yes / ***No*** ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				
Steamate NA 0660, Neutralizing Amines, Unit 1 300 gal. Tank	Under western part of ACC	Tank Sight glass		8 inches	Notify Control Room Operator
Prevention Measure: Tank, stainless steel metal tray and concrete containment pit.	**Observations:** **Is all piping in good condition?** Yes / No **Is the containment in good condition?** Yes / No **Is the water level in the containment < 8 inches?** Yes / ***No*** ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				

Substance	*Location*	*Source of Data*	*Quantity*	*Trigger Point Requiring Action*	*Action Required*
Steamate NA 0660, Neutralizing Amines, Unit 2 300 gal. Tank	Under western part of ACC	Tank Sight glass		8 inches	Notify Control Room Operator
Prevention Measure: Tank, stainless steel metal tray and concrete containment pit.	**Observations:** **Is all piping in good condition?** Yes / No **Is the containment in good condition?** Yes / No **Is the water level in the containment < 9 inches?** Yes / *No* ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				
Cor-Trol OS7780, Oxygen Scavenger, Unit 1, 380 gal. Tank	Under East side of ACC	Tank Sight glass		8 inches	Notify Control Room Operator
Prevention Measure: Tank, stainless steel metal tray and concrete containment pit.	**Observations:** **Is all piping in good condition?** Yes / No **Is the containment in good condition?** Yes / No **Is the water level in the containment < 6 inches?** Yes / *No* ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				
Cor-Trol OS7780, Oxygen Scavenger, Unit 2, 380 gal. Tank	Under East side of ACC	Tank Sight glass		8 inches	Notify Control Room Operator
Prevention Measure: Tank, stainless steel metal tray and concrete containment pit.	**Observations:** **Is all piping in good condition?** Yes / No **Is the containment in good condition?** Yes / No **Is the water level in the containment < 6 inches?** Yes / *No* ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				

Substance	*Location*	*Source of Data*	*Quantity*	*Trigger Point Requiring Action*	*Action Required*
Lube Oil, Gas Turbine, Unit 2, 3000 gal.	Underneath the CTG2 Accessory Compartment	Level Gauge at Lube Oil Compartment		1/2	Fill tank, wear proper protective equipment, and generate a work order.
Prevention Measure: Lube Oil Tank, concrete containment	**Observations:** **Is all piping in good condition?** Yes / No **Is the containment in good condition?** Yes / No **Notes:**				
Sulfuric Acid, 77 to 100%, 55 gallon drum(s)	In an enclosure next to the pond	Tapping Drum		5 GAL	Replace the drum or transfer the suction of the pump to the other drum.
Prevention Measure: Drums at pond and concrete containment	**Observations:** **Is the containment in good condition?** Yes / No **Is there only a trace amount of water?** Yes / *No* ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				

Substance	*Location*	*Source of Data*	*Quantity*	*Trigger Point Requiring Action*	*Action Required*
Balanced Polymer HP3100/ Phosphate, Unit 2 380 gal. tank	Next to HRSG 2 behind CEMS shelter	Tank Sight glass		8 inches	Notify Control Room Operator
Prevention Measure: Tank, stainless steel tray and concrete containment pit.	**Observations:** **Is all piping in good condition?** Yes / No **Is the containment in good condition?** Yes / No **Is the water level in the containment < 5 inches?** Yes / ***No*** ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				
Aqueous Ammonia 29.4%, 25 Kgal. tank	Next to Auxiliary Boiler	DCS Control Room		5 feet	Notify O&M Manager, who will in turn notify Dominion.
Prevention Measure: Tank and concrete containment pit.	**Observations:** **Is all piping in good condition?** Yes / No **Is the tank in good condition? Yes / No** **Is the containment in good condition?** Yes / No **Is the water level in the containment contained to the sump?** Yes / ***No*** ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				

Substance	*Location*	*Source of Data*	*Quantity*	*Trigger Point Requiring Action*	*Action Required*
Hydraulic Oil, Steam Turbine Unit 2	South Side of Control Room	Tank Sight glass		1/2	Refill
Lube Oil, Steam Turbine Unit 2	South Side of Control Room	Tank Level Gauge		1/4	Refill
Prevention Measure: Concrete containment pit. *Hydraulic System Volume: 100 gal.* *ST L.O. System Volume: 2000 gal.* *ST/Hydraulic Skid containment volume: 3,286 gallons*	**Observations:** **Is all piping in good condition?** Yes / No **Is the containment in good condition?** Yes / No **Is the water level in the containment contained to the sump?** Yes / *No* ***(This will allow sufficient free board in the containment to contain the worst case scenario spill from the container.)*** **If "No" then pump out the containment. Has the containment been pump out:** Yes / No **Notes:**				

Note: To minimize the growth of bio organisms in the various chemical containments; the preferred level of water in the containments would be a minimal amount located only in the sumps. For the additional containment sumps located around the phosphate control and neutralizing amine primary containments; the preferred water level would be < 1 inch.

Appendix G

Construction Sediment and Erosion Control (SWPPP Permit Reference #10)